Modular Terminal Blocks

Modular Terminal Blocks	Overview	A.2

Always the optimum connection for your application

Push In technology / P-Series

Push In technology offers outstanding benefits. Firstly, its easy to handle, being widely used in building automation project around the world. Secondly it provides galvanic isolation, giving excellent electrical rating and thirdly it provides pull-out, shock and vibration resistance.

Time-saving connections
Push In technology reduces installation times to a minimum.

Effective product range
Good performance data in a compact connection. The P-Series is ideal for reducing the number of variations.

100 % reliability
Simply push a stripped solid conductor or a conductor fitted with a wire end ferrule into the clamping point – and that's it, finished! All materials have been tested according to the latest environmental standards and to ensure RoHS conformity.

Applications
Wherever solid conductors or conductors fitted with wire end ferrules are needed, Weidmüller Push In technology offers the decisive handling advantage. In machinery and building installations alike.

IDC technology / I-Series

The IDC contact with the tensioned contact ensures that mechanical and electrical functions are kept separate, providing galvanic isolation. This system offers reliability and flexibility – permanently. For connecting cross-sections between 0.08 and 2.5 mm², even for repeated insertion and removal of conductors.

Quick and convenient
Once it has been cut to length, the conductor is inserted directly into the clamping point and connected. No need to strip the insulation first.

Maximum contact stability
The in built pre-cutting system of the Insulation Displacement Connection system, also enable visual confirmation of a reliable and permanent connection, by simple checking the alignment of the yellow slider.

Large product range
The large range, a selection of hybrid terminals and the compatibility with our other modular terminals result in diverse application options.

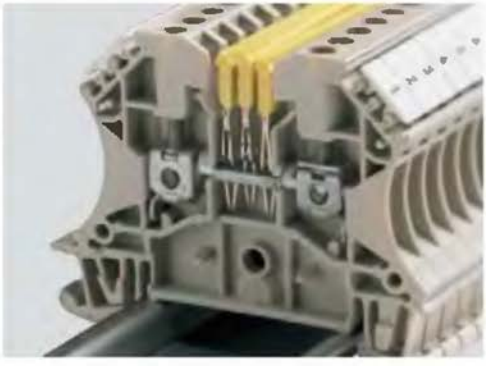
Applications
Wherever secure and flexible connection of conductors with a cross-section up to 2.5 mm² is required, the advantages of the Weidmüller I-Series are in demand. Whether in machinery, in the automotive industry, in railway engineering or shipbuilding.

Tension clamp connection / Z-Series

For a maintenance free, vibration-resistant connection. The stainless steel tension clamp is the alternative to the screw connection for cross-sections up to 35 mm².

Screw connection / W-Series

The simple handling plus the separation of electrical and mechanical functions make the Weidmüller clamping yoke the universal standard solution.



Comprehensive product range
Available in Standard and Roof-Style versions for connecting cross-sections from 0.05 to 35 mm².

Good contact stability – permanently
The no-maintenance, vibration-resistant tension clamp connection guarantees a gas-tight contact point and high contact forces.

Diverse cross-connection options
The ZQV plug-in standard cross-connection enables many different options. For feeding, distributing and skipping potentials.

Applications
Wherever an alternative to the screw connection is required and where fast wiring times and vibration-resistant contacts are a must, the Weidmüller Z-Series is unbeatable. Whether in machinery, in the automotive industry, in railway engineering or shipbuilding.

Wide range of cross-sections
The diverse, yet comprehensive range of products, covers cross-sections from 0.05 to 300 mm². That adds up to a complete product offering for safe or hazardous area application.

Good contact stability – permanently
The maintenance free, vibration-resistant screw clamp guarantees a good contact force and a stable, secure connection.

Only the best materials
Hardened steel is used for strength in the clamping yoke, whilst tin plated copper ensures superior conductivity. All materials have been tested according to the latest environmental standards and to ensure RoHS compliance.

Applications
Wherever stable connections and secure contact are essential, the Weidmüller W-Series is the right answer. In power generation and measurement, in process engineering and in switchgear installations.

Terminals, P-Series

Terminals, P-Series

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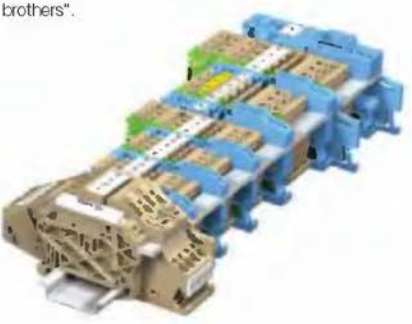
Terminals with direct Push In technology (P-Series)

PUSH IN

Sometimes a little means a lot

The P-Series is Weidmüller's new generation of modular terminals distinguished by concise yet uniquely flexible portfolio. The cornerstones of this concept is the "Push In" connection technology which enable a reduction in the terminal variants whilst providing incredible cost savings. What this means is that the three terminal types PDU 2.5/4, PDU 6/10 and PDU 16 can provide you with rational wiring solutions up to 16 mm². In the past you would have needed five different types of terminal. This innovative product concept is the result of targeted detail engineering. With a width of 5.1 mm, the PDU 2.5/4 and PDL 4 types are the same size as an old 2.5 mm² terminal, but are rated at 32 A – previously only possible with a 4 mm² terminal. The data of the other terminals in the range is equally impressive: PDU 6/10 – 8.1 mm and 54 A; PDU 16 – 12 mm and 76 A. The Weidmüller P-Series gives users a range of modular terminals that unites the performance features of their "big brothers" with the compact size of their "little brothers".



Direct Push In technology for direct savings

Among the impressive features of the direct Push In connection system are minimal wiring times and reliable, simple handling. Compared to the 3-conductor tension clamps, the direct Push In system achieves time-savings of up to 50% when connecting the conductor (3.5 s per conductor). The stripped solid conductor is simply pushed into the terminal as far as it will go – that's all there is to it. No tools are required, and the result is a reliable, vibration-resistant, gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonic-welded conductors can be connected without any problems.

Views without cage side wall

Product overview

	P-Series 2.5/4		P-Series 6/10		P-Series 16
Rated cross-sectional area	2.5 mm²	4 mm²	6 mm²	10 mm²	16 mm²
Feed-through terminals					
2 connections	•	•	•	•	•
3 connections	•	•	•	•	
4 connections	•	•			
PE terminals					
2 connections	•	•	•	•	•
3 connections	•	•	•	•	
4 connections	•	•			
Supply terminals					•
N-conductor terminals	•	•	•	•	•
Double level terminals	•	•			
3-conductor/distributor terminals	•	•			

1 The connection

The compression spring for connecting the conductor is mounted separately on the housing to guarantee glavanic isolation.

- Direct connection of solid conductors.
- Direct connection of flexible conductors with wire end ferrules.

2 Plug-in cross-connections

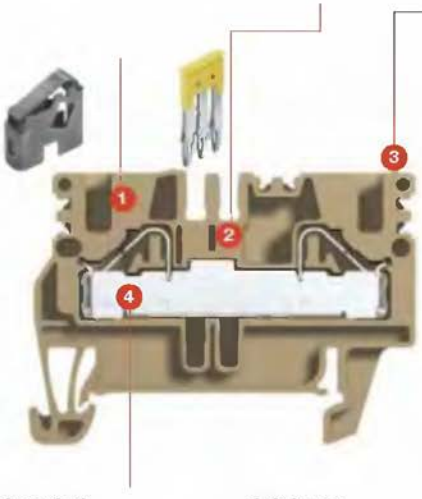
Rapid, straightforward potential distribution with the ZQV plug-in cross-connection.

- 2- to 10-pole, or "endless" cross-connection for custom assemble.
- Full rated current.
- Breakout poles for bypassing other potentials.

3 Easy to use

The simple Push In system for solid and flexible conductors with wire end ferrules speeds up the wiring time considerably.

- No additional tools required.
- Easy to use in confined installations.
- TOP connection (conductor inserted and connection secured in the same direction).



The Wemid insulating material

- Non-tracking, CTI 600
- Thermally stable up to 120°C
- V0 flammability rating to UL 94
- Halogen and phosphor free, flame-retardant

Effective product range

The P-Series is characterised by its high performance and a compact unit range. It is therefore ideal for reducing the number of variations and promotes rational procurement and logistics management.

4 Reliable contact

- A stainless steel spring ensures permanent, secure contact between conductor and current bar; higher pull-out forces are achieved when compared with tension clamp terminals.
- The copper/tin alloy current bar makes a perfect connection with the conductor; this guarantees a very low voltage drop.

Safe to use

The Push In contact has been designed in such a way that incorrect use is impossible in most cases!

- The **spring stop** protects and limits the travel of the spring; this, together with the plastic housing, defines the exact position of the screwdriver.
- The **conductor stop** positions the end of the conductor in the connection space; it supports the compression spring outside the terminal in the case of large bending radii and guarantees the contact with the current bar.

Standards and directives

The excellent reliability of Weidmüller's contacts and systems is confirmed by type testing to IEC 60947-7 and by supplementary tests. In addition, product quality undergoes strict testing in our Quality Assurance department (certified to DIN ISO 9002).

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	PDU 2.5/4	PDU 2.5/4 3AN
	4 mm²	4 mm²
	PUSH IN	PUSH IN
width x length x height with TS 35 x 7.5 mm	5.1 x 52 x 38	5.1 x 66 x 38
max. current / max. cond. cross-section A/mm²	/ 6	/ 6
max. clamping range mm²	0.13 ... 6	0.13 ... 6

Technical data

Rated data		PDU 2.5/4	PDU 2.5/4 3AN
		IEC 60947-7-1	IEC 60947-7-1
Rated voltage	V	IEC 800 / UL 600 / CSA 600 / EN 60079-7	IEC 800 / UL 600 / CSA 600 / EN 60079-7
Rated current	A	32 / 30 / 30	32 / 30 / 30
Rated cross-section	mm²	4 AWG 26... 10 AWG 26... 10	4 AWG 26... 10 AWG 26... 10
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5...6	0.5...6
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5	12 / 3.0 x 0.5
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	PDU 2.5/4	100	1896110000	PDU 2.5/4/3AN	100	1896120000
	blue Wemid	PDU 2.5/4 BL	50	1896230000	PDU 2.5/4/3AN BL	50	1896240000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608860000	ZQV 2.5/2	24	60	1608860000
	3-pole	ZQV 2.5/3	24	60	1608870000	ZQV 2.5/3	24	60	1608870000
	4-pole	ZQV 2.5/4	24	60	1608880000	ZQV 2.5/4	24	60	1608880000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	PAP 2.5/4	3	50	1896300000	PAP 2.5/4/3AN	3	50	1896430000
	blue Wemid								
End bracket			width [mm]				width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter									
For testing wired terminal strips	Standard	PTA PDU 2.5/4		25	1916180000	PTA PDU 2.5/4		25	1916180000
	with spigot	PTA ZA PDU 2.5/4		25	1916190000	PTA ZA PDU 2.5/4		25	1916190000
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	PRH 2.5/4/1		100	1916410000	PRH 2.5/4/1		100	1916410000
	for conductors < 1.0 mm / AWG 18	PRH 2.5/4/2		100	1916400000	PRH 2.5/4/2		100	1916400000
Cover									
	with lightning flash symbol	PAD 2.5/4/4		80	1916150000	PAD 2.5/4/4		80	1916150000
	blank								
Labelling systems	(see large size x.tremt. in catalogue 7)								
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

PDU 2.5/4 4AN — 4 mm²

PUSH IN

5.1 x 78 x 38
/ 6
0.13 ... 6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26... 10	AWG 26... 10	
	8 / 3		
	/ V-0		

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
12 / 3.0 x 0.5	

Type	Qty.	Order No.
PDU 2.5/4/4AN	100	1896130000
PDU 2.5/4/4AN BL	50	1896250000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
PAP 2.5/4/4AN	3	50	1896320000
	width [mm]		
ZEW 35	6	20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SD 0.5x3.0x80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000

DEK 5 / WS 10/5

PDU 6/10 — 10 mm²

PUSH IN

8.1 x 64 x 40
/ 10
1.5 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57			
10	AWG 16... 8	AWG 16... 8	
	8 / 3		
	/ V-0		

Rated connection	further connection
1.5...10	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5	

Type	Qty.	Order No.
PDU 6/10	50	1896140000
PDU 6/10 BL	25	1896270000

Type	Current [A]	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
ZQV 6N/20		20	1906240000
	width [mm]		
PAP PDU6/10	3	20	1896330000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.5x3.0x80		1	9008320000
PAD 6/10/4		80	1916160000

WS 10/8 MC NEUTRAL

PDU 6/10 3AN — 10 mm²

PUSH IN

8.1 x 82 x 40
/ 10
1.5 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57			
10	AWG 16... 8	AWG 16... 8	
	8 / 3		
	/ V-0		

Rated connection	further connection
1.5...10	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5	

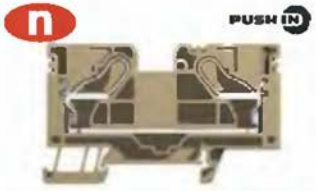
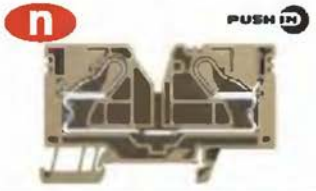
Type	Qty.	Order No.
PDU 6/10/3AN	50	1896150000
PDU 6/10/3AN BL	50	1896280000

Type	Current [A]	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
ZQV 6N/20		20	1906240000
	width [mm]		
PAP PDU6/10/3/N	3	20	1896340000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.5x3.0x80		1	9008320000
PAD 6/10/4		80	1916160000

WS 10/8 MC NEUTRAL

Feed-through terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	PDU 16	PEI 16
	16 mm²	16 mm²
		
width x length x height with TS 35 x 7.5 mm	12 x 78 x 48	15 x 78 x 48
max. current / max. cond. cross-section A/mm²	/ 16	/ 16
max. clamping range mm²	2.5 ... 16	2.5 ... 16

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	76			
Rated cross-section	mm²	16	AWG 12... 5	AWG 12... 5	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0			
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	2.5... 16	
Flexible / Flexible with wire end ferrule	mm²	2.5... 16 / 2.5... 16	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	14 / 1.0 x 5.5	

Note	

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	2.5... 16	
Flexible / Flexible with wire end ferrule	mm²	2.5... 16 / 2.5... 16	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	14 / 1.0 x 5.5	

Note	

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	PDU 16	25	1896400000
blue Wemid	PDU 16 BL	10	1896220000

Note

Version	Type	Qty.	Order No.
	PEI 16	25	1918780000
	PEI 16 BL	25	1918790000

Note
Terminal supplied with end plate Separate end plate not required

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 16/2	76	25	1739690000
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
End plate / Partition plate			width [mm]		
	dark beige Wemid	PAP 16	3	10	1896290000
	blue Wemid				
End bracket			width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 1.0x5.5x150		1	9003350000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20				
	for conductors < 1.0 mm / AWG 18				
Cover					
	with lightning flash symbol	PAD 16/4		80	1916170000
	blank				
Labelling systems	(see large size x format in catalogue 7)				
	Marking tags	WS 12/8 MC NEUTRAL			

For detailed information on other accessories and applications see "Accessories"

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 6/N/3		60	1906220000
	4-pole				
	10-pole				
	20-/24-pole				
End plate / Partition plate			width [mm]		
	dark beige Wemid				
	blue Wemid				
End bracket			width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 1.0x5.5x150		1	9003350000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20				
	for conductors < 1.0 mm / AWG 18				
Cover					
	with lightning flash symbol	PAD 16/4		80	1916170000
	blank				
Labelling systems	(see large size x format in catalogue 7)				
	Marking tags	WS 12/8 MC NEUTRAL			

For detailed information on other accessories and applications see "Accessories"

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PPE 2.5/4	4 mm²	PPE 2.5/4 3AN	4 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 52 x 36		5.1 x 66 x 36	
max. current / max. cond. cross-section	A/mm²	/ 6		/ 6	
max. clamping range	mm²	0.13 ... 6		0.13 ... 6	

Technical data

		PPE 2.5/4				PPE 2.5/4 3AN			
Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10		4	AWG 26... 10	AWG 26... 10	
Rated voltage to adjacent terminal	V	800				800			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Short-time withstand current	A	480 A (4 mm²)				480 A (4 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Clamped conductors (H05V/H07V)		Rated connection		further connection		Rated connection		further connection	
Solid / stranded	mm²	0.5...6				0.5...6			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm								
Tightening torque range (frame screw)	Nm								
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5				12 / 3.0 x 0.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note									

Ordering data

		PPE 2.5/4			PPE 2.5/4 3AN		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid		PPE 2.5/4	50	1896170000	PPE 2.5/4/3AN	50	1896200000
Note							

Accessories

		PPE 2.5/4				PPE 2.5/4 3AN			
End plate		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid		PAP 2.5/4	3	50	1896300000	PAP 2.5/4/3AN	3	50	1896430000
End bracket			width [mm]				width [mm]		
dark beige / beige		ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking									
For testing wired terminal strips	Standard								
	with spigot								
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	PRH 2.5/4/1		100	1916410000	PRH 2.5/4/1		100	1916410000
	for conductors < 1.0 mm² / < AWG 18	PRH 2.5/4/2		100	1916400000	PRH 2.5/4/2		100	1916400000
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

Modular PE terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PPE 2.5/4 4AN	4 mm²	PPE 6/10	10 mm²
		PUSH IN		PUSH IN	
width x length x height with TS 35 x 7.5	mm	5.1 x 78 x 36		7.9 x 66 x 40	
max. current / max. cond. cross-section	A/mm²	/ 6		/ 10	
max. clamping range	mm²	0.13 ... 6		1.5 ... 10	

Technical data

Rated data		IEC 60947-7-2 IEC	UL	CSA	EN 60079-7	IEC 60947-7-2 IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10		t0	AWG 16... 8	AWG 16... 8	
Rated voltage to adjacent terminal	V	800				800			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Short-time withstand current	A	480 A (4 mm²)				200 A (10 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.5... 6				f 5... f0			
Flexible / Flexible with wire end ferrule	mm²	0.5... 4 / 0.5... 4				1.5... t0 / 1.5... 10			
Tightening torque range (clamping screw)	Nm								
Tightening torque range (frong screw)	Nm								
Stripping length / Blade size	mm / -	t2 / 3.0 x 0.5				f4 / 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note									

Ordering data

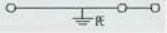
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	PPE 2.5/4/4AN	50	1896160000	PPE 6/10	25	1896180000
Note						

Accessories

End plate	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid	PAP 2.5/4/4AN	3	50	1896320000	PAP PDU6/10	3	20	1896330000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard								
with spigot								
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	PRH 2.5/4/1		100	1916410000				
for conductors < 1.0 mm² / < AWG 18	PRH 2.5/4/2		100	1916400000				
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				WS 10/8 MC NEUTRAL			
For detailed information on other accessories and applications see "Accessories"								

PPE 6/10 3AN — 10 mm²

7.9 x 82 x 40
/ 10
1.5 ... 10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16.. 8	AWG 16.. 8	
800			
8			
1200 A (10 mm²)			
3			
/ V-0			

Rated connection	further connection
1.5...10	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5	

Type	Qty.	Order No.
PPE 6/10/3AN	25	1896190000

Type	width [mm]	Qty.	Order No.
PAP PDU6/10/3AN	3	20	1896340000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.5x3.0x80		1	9008320000
WS 10/8 MC NEUTRAL			

PPE 16 — 16 mm²

12.1 x 78 x 48
/ 16
2.5 ... 16

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 12.. 5	AWG 12.. 5	
800			
8			
1920 A (16 mm²)			
3			
/ V-0			

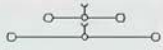
Rated connection	further connection
2.5...16	
2.5...16 / 2.5...16	
14 / 1.0 x 5.5	

Type	Qty.	Order No.
PPE 16	10	1896210000

Type	width [mm]	Qty.	Order No.
PAP 16	3	10	1896290000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
ZQV 16/2		25	1739690000
WS 10/12 MC NEUTRAL			

Double level terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PDK 2.5/4	4 mm²	PDK 2.5/4 V	4 mm²
		PUSH IN		PUSH IN	
width x length x height with TS 35 x 7.5	mm	5.1 x 81 x 58		5.1 x 81 x 58	
max. current / max. cond. cross-section	A/mm²	/ 6		/ 6	
max. clamping range	mm²	0.13 ... 6		0.13 ... 6	

Technical data

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	32			
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5	

Note

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	32			
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5	

Note

Ordering data

Version		Type	Qty.	Order No.
	dark beige Wemid	PDK 2.5/4	50	1918770000
	blue Wemid	PDK 2.5/4 BL	50	1918760000

Note

Version		Type	Qty.	Order No.
	dark beige Wemid	PDK 2.5/4V	50	1918730000
	blue Wemid	PDK 2.5/4V BL	50	1918680000

Note

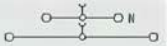
Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1908960000
End plate / Partition plate			width [mm]		
	dark beige Wemid	PAP PDK 2.5/4	3	100	1919720000
	blue Wemid				
End bracket			width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftystrip"				
	Standard	SD 0.5x3.0x80		1	9008320000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20	PRH 2.5/4/1		100	1916410000
	for conductors < 1.0 mm / AWG 18	PRH 2.5/4/2		100	1916400000
Cover					
	with lightning flash symbol	PAD 2.5/4/4		80	1916150000
	blank				
Labelling systems	(see large section in catalogue 7)				
	Marking tags	DEK 5 / Snap Mark I			
For detailed information on other accessories and applications see "Accessories"					

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1908960000
End plate / Partition plate			width [mm]		
	dark beige Wemid	PAP PDK 2.5/4	3	100	1919720000
	blue Wemid				
End bracket			width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftystrip"				
	Standard	SD 0.5x3.0x80		1	9008320000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20	PRH 2.5/4/1		100	1916410000
	for conductors < 1.0 mm / AWG 18	PRH 2.5/4/2		100	1916400000
Cover					
	with lightning flash symbol	PAD 2.5/4/4		80	1916150000
	blank				
Labelling systems	(see large section in catalogue 7)				
	Marking tags	DEK 5 / Snap Mark I			
For detailed information on other accessories and applications see "Accessories"					

PDK 2.5/4 N-L — 4 mm²

5.1 x 81 x 58
/ 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32			
4	AWG 26... 10	AWG 26... 10	
	8 / 3		
	/ V-0		

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	

12 / 30 x 0.5

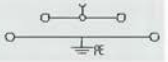
Type	Qty.	Order No.
PDK 2.5/4N/L	50	1918740000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
PAP PDK 2.5/4	3	100	1919720000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.5x3.0x80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000

DEK 5 / Snap Mark I

PDK 2.5/4 L-PE — 4 mm²

5.1 x 81 x 58
/ 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32			
4	AWG 26... 10	AWG 26... 10	
	8 / 3		
	/ V-0		

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	

12 / 30 x 0.5

Type	Qty.	Order No.
PDK 2.5/4L-PE	50	1918720000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
PAP PDK 2.5/4	3	100	1919720000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.5x3.0x80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000

DEK 5 / Snap Mark I

Double level terminals

PDK 2.5/4 PE — 4 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5 mm	**5.1** x 81 x 58
max. current / max. cond. cross-section A/mm²	**/ 6**
max. clamping range mm²	**0.13 ... 6**

Technical data

IEC 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
Rated cross-section mm²	4	AWG 26... 10	AWG 26... 10	
Rated voltage to adjacent terminal V	800			
Rated impulse withstand voltage to adjacent terminal kV	8			
Short-time withstand current A		480 A (4 mm²)		
Pollution severity		3		
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	0.5... 6	
Flexible / Flexible with wire end ferrule mm²	0.5... 4 / 0.5... 4	
Tightening torque range (clamping screw) Nm		
Tightening torque range (frong screw) Nm		
Stripping length / Blade size mm / -		
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire end ferrule mm²		

Note

Ordering data

Version	Type	Qty.	Order No.
green/yellow Wemid	PDK 2.5/4 PE	50	1918710000

Note

Accessories

	Type	width [mm]	Qty.	Order No.
End plate				
dark beige Wemid	PAP PDK 2.5/4	3	100	1919720000
End bracket		width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000
Testing / Checking				
For testing wired terminal strips Standard				
with spigot				
Screwdrivers				
with cutting device "swifty set"				
Standard	SD 0.5x3.0x80		1	9008320000
Reducing sleeves				
for conductors < 0.5 mm² / < AWG 20	PRH 2.5/4/1		100	1916410000
for conductors < 1.0 mm² / < AWG 18	PRH 2.5/4/2		100	1916400000
PEN jumper				
Inserted into TN-S distributor between N and PE terminals				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			

For detailed information on other accessories and applications see "Accessories"

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PDL 4/TR/DU O TNHE 4 mm²	PDL 4/TR/DU/PE O TNHE 4 mm²
		PUSH IN	PUSH IN
width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 48.5	5.1 x 100 x 48.5
max. current / max. cond. cross-section	A/mm²	/ 6	/ 6
max. clamping range	mm²	0.5 ... 6	0.5 ... 6

Technical data

		PDL 4/TR/DU O TNHE 4 mm²	PDL 4/TR/DU/PE O TNHE 4 mm²
Rated data		IEC 60947-7-1 / VDE 0611-4	IEC 60947-7-1 / -7-2 / VDE 0611-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, feed-through terminal	V	400	400
Rated current	A	20	20
Rated cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Clamped conductors (H05V/H07V)		Rated connection	Rated connection
Solid / stranded	mm²	0.5...6	0.5...6
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5	12 / 3.0 x 0.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire end ferrule	mm²		
Note		30A bottom level 20A top level	30A bottom level 20A top level

Ordering data

		PDL 4/TR/DU O TNHE 4 mm²			PDL 4/TR/DU/PE O TNHE 4 mm²		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	dark beige Wemid						
	blue Wemid						
	without disconnector, dark beige Wemid	PDL 4/TR/DU O TNHE	50	1899210000	PDL 4/TR/DU/PE O TNHE	50	1899220000
Note		without isolating lever. Suitable for fuse-holder SIHA 3 with G-fuse, for component plug BEST and isolating plug TNST			without isolating lever. Suitable for fuse-holder SIHA 3 with G-fuse, for component plug BEST and isolating plug TNST		

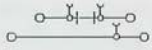
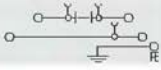
Accessories

Cross-connection, pluggable		**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
End plate / Partition plate			**width [mm]**				**width [mm]**		
End plate	dark beige Wemid	PAP PDL4	3	20	1833210000	PAP PDL4	3	20	1833210000
Partition plate	dark beige Wemid								
End bracket			**width [mm]**				**width [mm]**		
	dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers									
	Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Test plug									
	Plug dia. 2.3 mm								
Holder for cartridge fuse, 5 x 20mm									
	400 V AC/DC, without LED	SIHA 3/G20		25	7921560000	SIHA 3/G20		25	7921560000
	10-36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921560000	SIHA 3/G20/LD 10-36V		25	7921560000
	140-250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921560000	SIHA 3/G20/LD 140-250V		25	7921560000
Module connector (max. 250 V)									
reversed insertion possible	without fittings	BEST		50	1833100000	BEST		50	1833100000
	with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
	with 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnecting plug									
	yellow Wemid	TNST		50	1833090000	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			

For detailed information on other accessories and applications see "Accessories"

Disconnect terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PDL 4/TR/DU	4 mm²	PDL 4/TR/DU/PE	4 mm²
		PUSH IN		PUSH IN	
width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 48.5		5.1 x 100 x 48.5	
max. current / max. cond. cross-section	A/mm²	/ 6		/ 6	
max. clamping range	mm²	0.5 ... 6		0.5 ... 6	

Technical data

		IEC 60947-7-1 / VDE 0611-4				IEC 60947-7-1 / 7-2 / VDE 0611-4			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage, feed-through terminal	V	400				400			
Rated current	A	20				20			
Rated cross-section	mm²	4				4			
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3				4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0				/ V-0		
Approvals									
Clamped conductors (H05V/H07V)		Rated connection				Rated connection			
Solid / stranded	mm²	0.5...6				0.5...6			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5				12 / 3.0 x 0.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		30A bottom level 20A top level				30A bottom level 20A top level			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	PDL 4/TR/DU	50	1899190000	PDL 4/TR/DU/PE	50	1899200000
blue Wemid						
without disconnector, dark beige Wemid						
Note	without disconnector: PDL 4 TR/DU 0 TNHE Order No. 1899210000			without disconnector: PDL 4 TR/DU/PE 0 TNHE Order No. 1899220000		

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
End plate / Partition plate		width [mm]				width [mm]		
End plate dark beige Wemid	PAP PDL4	3	20	1833210000	PAP PDL4	3	20	1833210000
Partition plate dark beige Wemid								
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Test plug								
Plug dia. 2.3 mm								
Holder for cartridge fuse, 5 x 20mm								
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000	SIHA 3/G20		25	7921560000
10-36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921560000	SIHA 3/G20/LD 10-36V		25	7921560000
140-250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921560000	SIHA 3/G20/LD 140-250V		25	7921560000
Module connector (max. 250 V)								
reversed insertion possible without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnecting plug								
yellow Wemid	TNST		50	1833090000	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

N-conductor disconnect terminals

	PNT 2.5/4	4 mm²	PNT 6/10	10 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 63.5 x 43		8.1 x 72 x 46	
max. current / max. cond. cross-section A/mm²	/ 6		/ 10	
max. clamping range mm²	0.5 ... 6		1.5 ... 10	

Technical data

		VDE 0611-6				VDE 0611-6			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250				250			
Rated current	A	32				57			
Rated cross-section	mm²	4				10	AWG 16... 8	AWG 16... 8	
Rated impulse withstand voltage / Pollution severity	kV/-			4 / 3				8 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class				/ V-0				/ V-0	
Approvals									
Clamped conductors (H05V/H07V)		Rated connection				Rated connection			
Solid / stranded	mm²	0.5... 6				1.5... 10			
Flexible / Flexible with wire end ferrule	mm²	2.5... 4 / 0.5... 4				1.5... 10 / 1.5... 10			
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5				14 / 0.6 x 3.5			
Note									

Ordering data

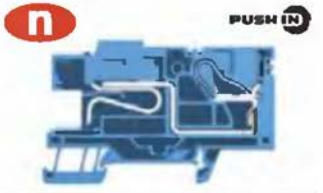
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid						
blue Wemid	PNT 2.5/4	50	1896360000	PNT 6/10	25	1896370000
Note						

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 6N/2		60	1906210000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 6N/3		60	1906220000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 6N/4		60	1906230000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 6N/20		20	1906240000
20-/24-pole	ZQV 2.5/20	24	20	1908960000				
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid								
blue Wemid	PHP PNT 2.5/4		20	1896390000	PHP/PNT 6/10		10	1896100000
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	PHP PNT 2.5/4		20	1896390000	PHP/PNT 6/10		10	1896100000
for vertical installation position	PHP/PNT 2.5/4 SO		10	1919700000	PHP/PNT 6/10 SO		10	1919710000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.5x3.0x80		1	9008320000	SD 0.5x3.0x80		1	9008320000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²	ZF 4 S BL		50	1814660000	ZF 4 S BL		50	1814660000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502880000	ZB 16K BL		50	0502880000
flexible 16 - 35mm²	ZB 35/M6X16		20	0266500000	ZB 35/M6X16		20	0266500000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				WS 10/8 MC NEUTRAL			
For detailed information on other accessories and applications see "Accessories"								

N-conductor disconnect terminals

PNT 16 — **16 mm²**



width x length x height with TS 35 x 7.5	mm	12 x 78 x 48
max. current / max. cond. cross-section	A/mm²	/ 16
max. clamping range	mm²	2.5 ... 16

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800			
Rated current	A	76			
Rated cross-section	mm²	16	AWG 12... 5	AWG 12.. 5	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection
Solid / stranded	mm²	2.5.. 16
Flexible / Flexible with wire end ferrule	mm²	2.5.. 16 / 2.5.. 16
Stripping length / Blade size	mm / -	14 / 1.0 x 5.5

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid			
blue Wemid	PNT 16	10	1896350000

Note

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid				
blue Wemid	PHP PNT16		10	1896380000
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	PHP PNT16		10	1896380000
for vertical installation position	PHP PNT16 SO		10	1919690000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZF 4 S BL		50	1814660000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35/M6X16		20	0266500000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 10/12 MC NEUTRAL			

For detailed information on other accessories and applications see "Accessories"

Distribution terminals for 10 x 3

	PDL4 S/NT/L/PE 4 mm²	PDL4 S/L/L 4 mm²
	PUSH IN	PUSH IN
width x length x height with TS 35 x 7.5 mm	5.1 x 100 x 48.5	5.1 x 100 x 48.5
max. current / max. cond. cross-section A/mm²	36 / 6	36 / 6
max. clamping range mm²	0.5 ... 6	0.5 ... 6

Technical data

	IEC 60947-7-1 (-7-2) / VDE 0611-4				IEC 60947-7-1 / VDE 0611-4			
Rated data	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	400				400			
Rated current A	32				32			
Rated cross-section mm²	4				4			
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3				6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0		
Approvals								
Clamped conductors (H05V / H07V)	Rated connection				Rated connection			
Solid / stranded mm²	0.5...6 / 1.5...4				0.5...6 / 1.5...4			
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Stripping length / Blade size mm / -	12 / 3.0 x 0.5				12 / 3.0 x 0.5			
Note								

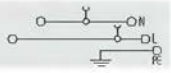
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	PDL 4 S/NT/L/PE	50	1837060000	PDL 4 S/L/L	50	1837030000
blue Wemid						
Note						

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole								
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	PAP PDL4S	3	20	1837070000	PAP PDL4S	3	20	1837070000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	PHP PDL		20	1837090000	PHP PDL		20	1837090000
for vertical installation position	PHP PDL SO		20	1837080000	PHP PDL SO		20	1837080000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35/2	8	20	8630740000	ZEW 35/2	8	20	8630740000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SDI 0,4x2,5x75		1	9008370000	SDI 0,4x2,5x75		1	9008370000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²	ZF 4 S BL		50	1814660000	ZF 4 S BL		50	1814660000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC		50	0316600000	ZB 16 ZKSC		50	0316600000
flexible 16 - 35mm²	ZB 35/M6X16		20	0296500000	ZB 35/M6X16		20	0296500000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5/5				DEK 5/5			
For detailed information on other accessories and applications see "Accessories"								

Distribution terminals for 10 x 3

	PDL 4 S/L	4 mm²	PDL4 S/N/L/PE	4 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 100 x 48.5		5.1 x 100 x 48.5	
max. current / max. cond. cross-section A/mm²	36 / 6		36 / 6	
max. clamping range mm²	0.5 ... 6		0.5 ... 6	

Technical data

	IEC 60947-7-1 / VDE 0611-4				IEC 60947-7-1 [-7-2] / VDE 0611-4			
Rated data	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	400				400			
Rated current A	32				32			
Rated cross-section mm²	4				4			
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3				6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0		
Approvals								
Clamped conductors (H05V / H07V)	Rated connection				Rated connection			
Solid / stranded mm²	0.5...6 / 1.5...4				0.5...6 / 1.5...4			
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Stripping length / Blade size mm / -	12 / 3.0 x 0.5				12 / 3.0 x 0.5			
Note	Can be used with ultrasonically welded conductors 0.5 ... 4 mm²							

Ordering data

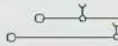
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	PDL 4 S/L	50	1847610000	PDL 4 S/N/L/PE	50	1837050000
blue Wemid						
Note						

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole								
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	PAP PDL4S	3	20	1837070000	PAP PDL4S	3	20	1837070000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	PHP PDL		20	1837090000	PHP PDL		20	1837090000
for vertical installation position	PHP PDL SO		20	1837080000	PHP PDL SO		20	1837080000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35/2	8	20	8630740000	ZEW 35/2	8	20	8630740000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SDI 0,4x2,5x75		1	9008370000	SDI 0,4x2,5x75		1	9008370000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²	ZF 4 S BL		50	1814660000	ZF 4 S BL		50	1814660000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC		50	0316600000	ZB 16 ZKSC		50	0316600000
flexible 16 - 35mm²	ZB 35/M6X16		20	0296500000	ZB 35/M6X16		20	0296500000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5/5				DEK 5/5			
For detailed information on other accessories and applications see "Accessories"								

PDL 4 S/N/L — 4 mm²

5.1 x 100 x 48.5
36 / 6
0.5 ... 6



IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

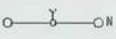
Rated connection
0.5...6 / 1.5...4
0.5...4 / 0.5...4
12 / 3.0 x 0.5

Type	Qty.	Order No.
PDL 4 S/N/L	50	1847630000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4S	3	20	1837070000
	width [mm]		
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316800000
ZB 35/M6X16		20	0266500000
DEK 5/5			

PDL 4 S/N — 4 mm²

5.1 x 100 x 48.5
36 / 6
0.5 ... 6



IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

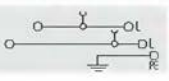
Rated connection
0.5...6 / 1.5...4
0.5...4 / 0.5...4
12 / 3.0 x 0.5

Type	Qty.	Order No.
PDL 4 S/N	50	1847620000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4S	3	20	1837070000
	width [mm]		
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316800000
ZB 35/M6X16		20	0266500000
DEK 5/5			

PDL4 S/L/L/PE — 4 mm²

5.1 x 100 x 48.5
36 / 6
0.5 ... 6



IEC 60947-7-1 / -7-2 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

Rated connection
0.5...6 / 1.5...4
0.5...4 / 0.5...4
12 / 3.0 x 0.5

Type	Qty.	Order No.
PDL 4 S/L/L/PE	50	1837040000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4S	3	20	1837070000
	width [mm]		
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316800000
ZB 35/M6X16		20	0266500000
DEK 5/5			

Modular distribution terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		PDL4 NT/L/PE 4 mm²	PDL4 NT/L 4 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 48.5	5.1 x 100 x 48.5
max. current / max. cond. cross-section	A/mm²	/ 6	/ 6
max. clamping range	mm²	0.5 ... 6	0.5 ... 6

Technical data

Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	400				400			
Rated current	A	20				20			
Rated cross-section	mm²	4				4			
Rated impulse withstand voltage / Pollution severity	kV/-			6 / 3				6 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class				A3 / V-0				A3 / V-0	
Approvals									

Clamped conductors (HO5V/H07V)		Rated connection	further connection	Rated connection	further connection
Solid / stranded	mm²	0.5...6 / 1.5...4		0.5...6 / 1.5...4	
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...4		0.5...4 / 0.5...4	
Tightening torque range (clamping screw)	Nm				
Stripping length / Blade size	mm / -	12 / 3.0 x 0.5		12 / 3.0 x 0.5	

Note		
	30A bottom level 20A top level	30A bottom level 20A top level

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	PDL 4/NT/L/PE	50	1882620000	PDL 4/NT/L	50	1882600000
blue Wemid						

Note						

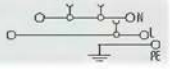
Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole								
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	PAP PDL4	3	20	1883210000	PAP PDL4	3	20	1883210000
blue Wemid								
End bracket		**width [mm]**				**width [mm]**		
dark beige Wemid	ZEW 35/2	8	20	8630740000	ZEW 35/2	8	20	8630740000
Test adapter								
For testing wired terminal strips Standard								
with spigot								
Screwdrivers								
with cutting device "swiftly set"								
Standard	SDI 0.4x2.5x75		1	9008370000	SDI 0.4x2.5x75		1	9008370000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20								
for conductors < 1.0 mm / AWG 18								
Cover								
with lightning flash symbol								
blank								
Labelling systems (see large selection in catalogue 7)								
Marking tags	DEK 5/5				DEK 5/5			

For detailed information on other accessories and applications see "Accessories"

PDL4 N/L/PE — 4 mm²

5.1 x 100 x 48.5
/ 6
0.5 ... 6



IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

Rated connection	further connection
0.5...6 / 1.5...4	
0.5...4 / 0.5...4	

12 / 30 x 0.5

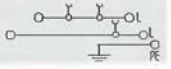
Type	Qty.	Order No.
PDL 4/N/L/PE	50	1899180000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4	3	20	1883210000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000

DEK 5/5

PDL4 L/L/PE — 4 mm²

5.1 x 100 x 48.5
/ 6
0.5 ... 6



IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

Rated connection	further connection
0.5...6 / 1.5...4	
0.5...4 / 0.5...4	

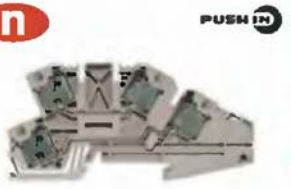
12 / 30 x 0.5

Type	Qty.	Order No.
PDL 4/L/L/PE	50	1882610000

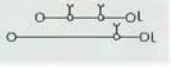
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4	3	20	1883210000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000

DEK 5/5

PDL4 L/L — 4 mm²



5.1 x 100 x 48.5
/ 6
0.5 ... 6



IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A3 / V-0			

Rated connection	further connection
0.5...6 / 1.5...4	
0.5...4 / 0.5...4	

12 / 30 x 0.5

Type	Qty.	Order No.
PDL 4/L/L	50	1882590000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
PAP PDL4	3	20	1883210000
	width [mm]		
ZEW 35/2	8	20	8630740000
SDI 0,4x2,5x75		1	9008370000

DEK 5/5

The additional functions

Introduction

The accessories for the other ranges of modular terminals can also be used with the P-Series in order to reduce the number of variations. The use of accessories, enable users to adapt and mould the Terminals, to perfect match the needs of the application.
All Weidmüller accessories are built to the same high quality standards as the terminals themselves.

Retaining and end plates

Page B.24

Retaining plates, which for the P-Series also function as end plates, must be positioned every 200 mm when using the 10 x 3 busbar.

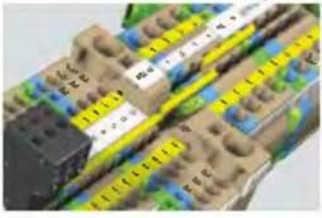
Fastening

Chapter F

An end bracket is fitted on the mounting rail to the right and left of the terminals to ensure that they sit firmly in position.
The marking surface of the end bracket can also be used for group marking.
Details of the wide range of Weidmüller end brackets and mounting rails are given in **chapter F.**

Electrical supply

Page B.25



There are two options for supplying power to the Weidmüller Push In modular terminals:
with the **PEI 16** supply terminal and with the PDU 6/10 or PDU 2.5/4 feed-through terminal. The input current is split into several output currents by means of cross-connections. A 16 mm² conductor carries the incoming supply, which is distributed to the neighbouring terminals for cross-sections from 0.5 to 10 mm².

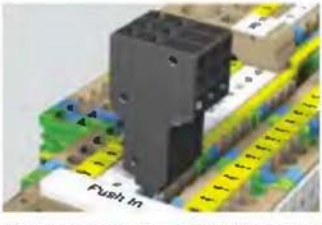
Electrical distribution

Page B.26/27

A pluggable **cross-connection system (ZQV)** is available for all P-Series terminals.
The current is distributed across any number of terminals by simply plugging the cross-connection into the middle of the terminals. As a rule, 400 V can be conveyed across the cross-section, depending on the rated voltage of the terminal.

Testing

Page B.28



The plug-in **test adapter (PTA)** is used as a single unit and as a test adapter strip for voltage measurement in control cabinets.
The test adapter is ideal for convenient, testing of assembled terminals.
It is simply clipped into the cross-connection channel of the terminal. This ensures that it makes contact with the busbar carrying the current.

Marking and connecting

Page B.28

Weidmüller's marking systems in **chapter F** are used to mark Push In technology terminals.
Individual terminals, groups of terminals and cables or conductors can be marked.
Marker strips are available for every size of terminal, which means that several terminals can be marked together.

Retaining and end plates

Protection against electric shock

Apart from a few exceptions, the last terminal in a terminal strip must be closed off with a PAP end plate. End plates must also be inserted within a terminal strip that includes terminals of different sizes. This ensures protection against electric shock from voltage-carrying parts. Weidmüller modular terminals are finger-touch safe.

Guaranteeing the operating voltage

End plates can also be used to maintain the necessary clearances and creepage distances, e.g. between adjacent cross-connections, and thus guarantee the operating voltage for the application.

Identical sizes

The external dimensions of the end plates match those of the associated terminals.

Mounting

The end plate is simply clipped to the corresponding terminal. Corresponding cut-outs in the terminal ensure that the end plate is positioned correctly to cover the terminal.

Ordering data

Type PDU 2.5/4...	Colour	Qty	Order No.	For terminals:
Width 5 mm				
PAP 2.5/4	dark beige	50	1896300000	PDU 2.5/4 PDU 2.5/4 BL PPE 2.5/4
Width 5 mm				
PAP 2.5/4 3AN	dark beige	50	1896480000	PDU 2.5/4 3AN PDU 2.5/4 3AN BL PPE 2.5/4 3AN
Width 5 mm				
PAP 2.5/4 4AN	dark beige	50	1896320000	PDU 2.5/4 4AN PDU 2.5/4 4AN BL PPE 2.5/4 4AN
Width 5 mm				
PHP/PNT 2.5/4	blue	50	1896390000	PNT 2.5/4

Type PDK	Colour	Qty	Order No.	For terminals:
Width 5 mm				
PAP/PDK 2.5/4	dark beige	50	1919720000	PDK 2.5/4 PDK 2.5/4/4 V PDK 2.5/4 N-L PDK 2.5/4 DU-PE PDK 2.5/4 N-PE PDK 2.5/4 PE PDK 2.5/4 O BL

Type PDU 6/10	Colour	Qty	Order No.	For terminals:
Width 8 mm				
PAP 6/10	dark beige	50	1896330000	PDU 6/10 PDU 6/10 BL PPE 6/10
Width 8 mm				
PAP 6/10 3AN	dark beige	50	1896340000	PDU 6/10 3AN PDU 6/10 3AN BL PPE 6/10 3AN
Width 8 mm				
PHP/PNT 6/10	blue	50	1896100000	PNT 6/10

Type PDU 16...	Colour	VPE	Order No.	For terminals:
Width 12 mm				
PAP 16	dark beige	50	1896290000	PDU 16 PDU 16 BL PPE 16
Width 12 mm				
PHP/PNT 16	blue	50	1896380000	PNT 16

Feeding with standard terminals

Using standard terminals for the supply is ideal because the feed-through terminals of the P-Series exhibit a very wide clamping range.

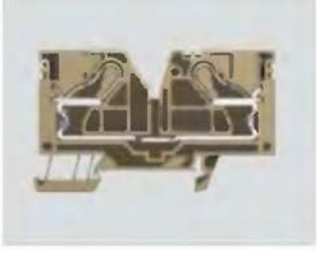
Left-hand feed

Right-hand feed

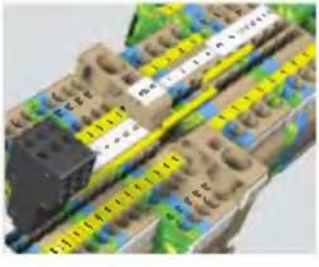
Feed options and cross-connections to be used

Feed terminal	Output terminal	Cross-connection	Left-hand feed	Right-hand feed
PDU 2.5/4	PDU 2.5/4	ZQV 2.5/...	•	•
	PDU 2.5/4/3AN	ZQV 2.5/...	•	
	PDU 2.5/4/4AN	ZQV 2.5/...	•	
PDU 2.5/4/3AN	PDU 2.5/4	ZQV 2.5/...		•
	PDU 2.5/4/3AN	ZQV 2.5/...	•	•
	PDU 2.5/4/4AN	ZQV 2.5/...	•	
PDU 2.5/4/4AN	PDU 2.5/4	ZQV 2.5/...		•
	PDU 2.5/4/3AN	ZQV 2.5/...		•
	PDU 2.5/4/4AN	ZQV 2.5/...	•	•
PDU 6/10	PDU 2.5/4	ZQV 2.5/...		•
	PDU 2.5/4/4AN	ZQV 2.5/...	•	
	PDU 6/10	ZQV 6N/...	•	•
	PDU 6/10/3AN	ZQV 6N/...	•	
PDU 6/10/3AN	PDU 2.5/4	ZQV 2.5/...		•
	PDU 2.5/4/3AN	ZQV 2.5/...		•
	PDU 6/10	ZQV 6N/...	•	
	PDU 6/10/3AN	ZQV 6N/...	•	•

Feed terminal PEI 16



Output possible on left and right



A supply cable with a cross-section of up to 25 mm² is possible with the PEI 16 feed terminal.
Standard cross-connections are used to distribute the current to any number of terminals with a smaller cross-section.

The table on the right shows a number of variations for distributing the current with the cross-connection specified.

Output options and cross-connections to be used

Feed terminal	Output terminal	Cross-connection	Left-hand feed	Right-hand feed
PEI 16	PDU 2.5/4	ZQV 2.5/...	•	•
	PDU 2.5/4/3AN	ZQV 2.5/...	•	•
	PDU 2.5/4/4AN	ZQV 2.5/...	•	•
	PDU 6/10	ZQV 6N...	•	•
	PDU 6/10 3AN	ZQV 6N...	•	•

Plug-in cross-connection ZQV

The time-saving, easy-to-use cross-connection combs for terminals, featuring PushIn technology.

- **ZQV 2.5** as 2- to 10-pole combs and and ZQV2.5/20 – continuous (20-pole)
- **ZQV 6/N** as 2- to 4-pole combs and and ZQV6N/20 – continuous (24-pole)
- **ZQV 16/2** as 2-pole comb (link)

These versions come with complete shock protection.

Breaking out contact elements

Breaking out one or more (max. 60%) contact elements from cross-connections enables certain terminals to be bypassed to suit the application.

Fitting and changing cross-connections

The fitting and changing of cross-connections is a trouble-free and fast operation:

– Insert the cross-connection into the cross-connection channel in the terminal...

...and press it fully home. (The cross-connection may not project from the channel.)

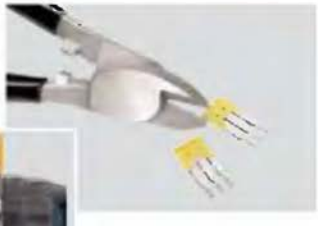
– Remove a cross-connection by simply prising it out with a screwdriver.

Tailor-made cross-connections

ZQV is a cross-connection which can be used for connecting up to 20 individual terminals easily and quickly. The fitter simply cuts off the required number of poles from the 20-pole cross-connection comb.
With this system, cross-connections with the correct number of poles are always available and only a minimum of storage space is required.
The ends of the continuous cross-connection are bare. In the interests of stability, 2-pole cross-connections are not permitted. An end cover plate must always be fitted to neighbouring ZQVs with bare cut edges.

Shortening cross-connections

Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



Caution:
Contact elements must not be deformed!

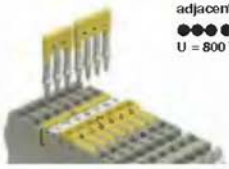
An end plate (PAP) must be fitted between the bare cut edges of two cross-connections in order to maintain the rated voltage.

Possible combinations

In one cross-connection channel

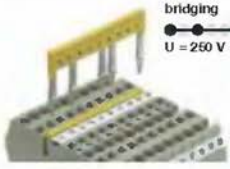
single

U = 800 V



adjacent

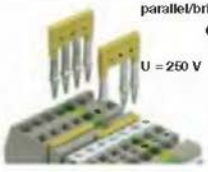
U = 800 V



bridging

U = 250 V

In two cross-connection channels



parallel/bridging

U = 250 V

parallel lengthening / chain bridge

U = 800 V

Possible cross-connections of terminals of the same type with corresponding cross-connectors

Terminal type Standard terminals	Cross-connection	single	adjacent	bridging	parallel bridging	chain bridge parallel/lengthening
PDU 2.5/4	ZQV 2.5/...	•	•	•	•	•
PDU 2.5/4/3AN	ZQV 2.5/...	•	•	•	•	•
PDU 2.5/4/4AN	ZQV 2.5/...	•	•	•	•	•
PDU 6/10	ZQV 6N/...	•	•	•	•	•
PDU 6/10/3AN	ZQV 6N/...	•	•	•	•	•
PDU 16	ZQV 16/2	•	•			•

ZQV 2.5

Type	Qty	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	10	1608960000

For terminals Standard
PDL 4...
PDL 4S
PDU 2.5/4...
PDIC 2.5/4

ZQV 6 N

Type	Qty	Order No.
ZQV 6N/10	20	1906240000
ZQV 6N/2	60	1906210000
ZQV 6N/3	60	1906220000
ZQV 6N/4	60	1906230000

For terminals Standard
PDU 6/10
PDU 6/10 3AN
PNT 6/10

ZQV 16/2

Type	Qty	Order No.
ZQV 16/2	25	1739690000

For terminals Standard
PDU 16

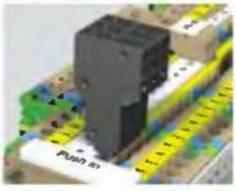
Test adapters

The PTA slot-in test adapter is used as both a single unit and a test adapter strip for measurements in switchgear cabinets.

Conductors with cross-sectional areas ranging from 0.5 mm² to 1.5 mm² can be clamped. The test adapter is simply clipped onto the terminal, creating secure contact with the current carrying busbar.

PTA

for terminal width 5.1 mm



Dimensions		
Height (with TS 35 x 7.5)	mm	59
Length	mm	20
Modular width	mm	5.1
Stripping length	mm	6.0
Rated voltage / current / cross-section		
IEC 60 947-7-1		250 V / 9 A / 1.5 mm²
Clamping conductor		
solid H07V-U	mm²	0.5 ... 1.5
flexible H07V-K	mm²	1.0 ... 1.5
flexible w. wire end ferr (DIN 46228/1)	mm²	0.5 ... 1.5

Ordering data		Type	Qty	Order No.
	1-pole	PTA PDU 2.5/4	25	1916180000
	with clip-in pivot	PTA PDU 2.5/4 ZA	25	1916190000
		For terminals standard		
		PDU 2.5/4		
		DEK 5		

Reducing sleeves

Reducing sleeves are used to simplify the connection of conductors with smaller cross-sections. Conductors can thus be inserted into the clamping point without fear of the strands fraying. The reducing sleeve centres the conductor in the middle of the entry.

One pack = 100 x 10-pole strips

PRH 2.5/4

Ordering data		Type	Qty	Order No.
	for conductor 0.5 mm², grey	PRH 2.5/4/1	100	1916410000
	for conductor 1 mm², dark grey	PRH 2.5/4/2	100	1916400000
		For terminals standard		
		PDU 2.5/4		
		PDK 2.5/4		

Covering

The VDE regulations stipulate that mains connection terminals have to be covered.

For this purpose Weidmüller provides yellow covers **PAD** printed with a warning arrow.

The covers slot into the screwdriver opening of the terminal, and are available in 4-pole terminal units.

PAD

Ordering data		Type	Qty	Order No.
	for terminal width 5,1 mm	PAD 2.5/4/4	20	1916150000
	for terminal width 8 mm	PAD 6/10/4	20	1916160000
	for terminal width 12 mm	PAD 16/4	20	1916170000
		For terminals standard		
		PDU 2.5/4...		
		PDU 6/10...		
		PDU 16...		

Labelling

The **BZT** marker carrier enables a marker to be positioned in the centre of the marking channel using the **WS 10/5** tags. In order to achieve maximum stability, the marker carriers can be clipped together.

- Single and double versions.
- Does not hamper the insertion of a screwdriver nor prevent access to the cross-connections.

BZT

Ordering data		Type	Qty	Order No.
	labelling on one side	BZT 1 WS 10/5	100	1805940000
		BZT 1 ZA WS 10/5	100	1805520000
	labelling on two sides	BZT 2 WS 10/5	100	1805430000
		BZT 2 ZA WS 10/5	100	1805530000
		For terminal standard		
		PDK 2.5/4...		
		PDL 4...		

SIHA fuse holder

For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.

Simply remove the disconnect lever and insert the fuse plug.

Better: order the PDL 4... OTNHE and insert the SIHA immediately.

- Simple handling without tools
- Housing made of Wemid (VO)
- Rated current 6.3 A
- Even fits on 5 mm wide terminals when fitted in offset arrangement

1. Open fuse holder with fingers or screwdriver

2. Press out old fuse

3. Position new fuse

4. Press fuse holder together again with fingers or screwdriver

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

SIHA 3

	Qty		Order No.
without LED			
SIHA3/G20			
400 V	1		7921560000
with LED (red)			
SIHA3/G20			
10 - 36 V	1		7921570000
35 - 70 V	1		7921580000
60 - 150 V	1		7921590000
140 - 250 V	1		7921600000

For disconnect terminal type

PDL 4...

PDL 4 TRV...

SIHA STRAP

	Qty	Order No.
with strap		
SIHA STRAP		
	20	9537680000

Connector for retro-fit assembly

- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either on the left or on the right

Applications with PDL 4 TR/... and SIHA 3

	Short-circuit protection		Overload and short-circuit protection	
	Norm value		Norm value	
	Power loss	Rated current	Power loss	Rated current
Single	4.0 W	6.3 A	1.6 W	6.3 A
Group	1.6 W	6.3 A		

Accessories – Other functions and colours

Cartridge fuses and gauge pieces for Weidmüller fuse terminals and SIHA 3 fuse holder

Cartridge fuses

for terminal type
PDL 4 TR/... /...

Technical data / Ordering data

G-type cartridge fuses 5 x 20 without indicators to IEC 60127-2 (VDE 0820 pt.2 6)

Size (mm)	Nom. voltage (V)	Nom. current (A)	Type		Qty	Order No.
5 x 20 breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0,7)		0,1	(F)	G 20/0,10A/F	10	0430300000
		0,2	(F)	G 20/0,20A/F	10	0430400000
		0,25	(F)	G 20/0,25A/F	10	0430500000
		0,5	(F)	G 20/0,50A/F	10	0430600000
		0,63	(F)	G 20/0,63A/F	10	0430900000
		1,0	(F)	G 20/1,00A/F	10	0430700000
		1,6	(F)	G 20/1,60A/F	10	0430800000
		2,0	(F)	G 20/2,00A/F	10	0430900000
		2,5	(F)	G 20/2,50A/F	10	0431000000
		3,15	(F)	G 20/3,15A/F	10	0431100000
		4,0	(F)	G 20/4,00A/F	10	0431200000
		5,0	(F)	G 20/5,00A/F	10	0431300000
		6,3	(F)	G 20/6,30A/F	10	0431400000

(M) = medium-blow (F) = fast-blow

Component/isolating plugs

The Weidmüller philosophy is to realise a multitude of applications with just a few parts. The component and isolating plugs (BEST and TNST) represent a logical extension of this cost-effective and efficient approach. The component plug can accommodate electronic components and connect them to the terminal. And once an isolating plug is removed, the clamping point is obviously disconnected. The opening is easy to recognise.

An unintentional reconnection of the circuit is prevented by simply removing the isolating plug. The BEST and the TNST have the same pin arrangement. Both plugs are also identical with the SIHA 3 fuse holder, meaning that they can be used in all the "disconnecting products" of the W-, Z-, I- and P-Series.

Component plug (up to 250 V)

For terminal type
PDL 4 TR/... /... can be reversed

Ordering data

Type	Fitted with...	Qty	Order No.
BEST	–	25	1833100000
BEST/DRBR	wire jumper	25	1878570000
BEST/D	diode 1N4007	25	1878560000

Isolating plug

For terminal type
PDL 4 TR/... /...

Ordering data

Type	Colour	Qty	Order No.
TNST	yellow Wemid	25	1833090000

Crimp-Set PZ 6 roto Push In

Assembly

Article description	Type	Qty.
Crimping tools for wire end ferrules 0.14 to 6 mm²	PZ 6 Roto	1
Stripping tool for up to 6 mm²	STRIPAX	1
Wire end ferrule with plastic collar, grey	H4,0/20 DS GR	500
Wire end ferrule with plastic collar, orange	H0,5/16 OR	500
Wire end ferrule with plastic collar, white	H0,75/18 W	500
Wire end ferrule with plastic collar, yellow	H1,0/18 GE	500
Wire end ferrule with plastic collar, black	H1,5/18D SW	500
Wire end ferrule with plastic collar, blue	H2,5/18D BL	500
Wire end ferrule with plastic collar, black	H6,0/20 SW	100

Technical data

length x width x height	340/270/60 mm
Weight	1760 g

Ordering data

Type	Colour code*	Order No.
Crimp Set PZ 6 roto PI	Weidmüller	9203650000

Crimp-Set PZ 16 Push In

Assembly

Article description	Type	Qty.
Crimping tools for wire end ferrules, 6 to 16 mm²	PZ 16	1
Stripping tool for up to 6 mm²	STRIPAX	1
Wire end ferrule with plastic collar, ivory	H 10,0/22 S EB	100
Wire end ferrule with plastic collar, black	H6,0/20 SW	100
Wire end ferrule with plastic collar, ivory	H10,0/22 EB	100
Wire end ferrule with plastic collar, green	H16,0/24 GN	100

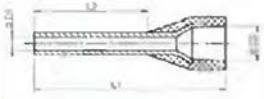
Technical data

length x width x height	340/270/60 mm
Weight	1725 g

Ordering data

Type	Colour code*	Order No.
Crimp Set PZ 16 PI	Weidmüller	9203640000

Accessories – Wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.14 – 16 mm² (AWG 26 – 6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

In multipack bag

Ordering data

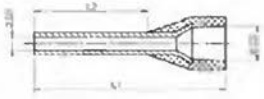
Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.14/12	0.14	26	12.0	8.0	0.6	1.5	10.0	grey	500	9028240000
H0.25/12	0.25	24	12.0	8.0	0.8	1.8	10.0	light blue	500	9025780000
H0.34/12	0.34	22	12.0	8.0	0.8	2.0	10.0	turquoise	500	9025790000
H0.5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	500	9026060000
H0.5/16	0.50	20	16.0	10.0	1.0	2.6	12.0	orange	500	9028270000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	O white	500	9026070000
H0.75/16	0.75	18	16.0	10.0	1.2	2.8	12.0	O white	500	9028290000
H0.75/18	0.75	18	18.0	12.0	1.2	2.8	14.0	O white	500	9028300000
H1.0/16	1.00	17	16.0	10.0	1.4	3.0	12.0	yellow	500	9028320000
H1.0/18	1.00	17	18.0	12.0	1.4	3.0	15.0	yellow	500	9028340000
H1.5/16	1.50	16	16.0	10.0	1.7	3.5	12.0	red	500	9028350000

Weidmüller colour code

Packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.25/12	0.25	24	12.0	8.0	0.8	1.8	10.0	light blue	500	9025760000
H0.34/12	0.34	22	12.0	8.0	0.8	2.0	10.0	turquoise	500	9025770000
H0.5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	500	0690700000
H0.5/16	0.50	20	16.0	10.0	1.0	2.6	12.0	orange	500	9025870000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	O white	500	0462900000
H0.75/16	0.75	18	16.0	10.0	1.2	2.8	12.0	O white	500	9025890000
H0.75/18	0.75	18	18.0	12.0	1.2	2.8	14.0	O white	500	9025910000
H1.0/14	1.00	17	14.0	8.0	1.4	3.0	10.0	yellow	500	0463000000
H1.0/16	1.00	17	16.0	10.0	1.4	3.0	12.0	yellow	500	9025950000
H1.0/18	1.00	17	18.0	12.0	1.4	3.0	15.0	yellow	500	9025930000
H1.5/14	1.50	16	14.0	8.0	1.7	3.5	10.0	red	500	0463100000
H1.5/16	1.50	16	16.0	10.0	1.7	3.5	12.0	red	500	0635100000
H2.5/18D	2.50	14	18.0	12.0	2.2	4.2	14.0	blue	500	9019170000
H4.0/20D	4.00	12	20.0	12.0	2.8	4.8	14.0	grey	500	9019200000
H6.0/20	6.00	10	20.0	12.0	3.5	6.3	14.0	black	100	0533500000
H10.0/22	10.00	7	22.0	12.0	4.5	7.6	15.0	ivory	100	0534200000
H16.0/24	16.00	6	24.0	12.0	5.8	8.8	15.0	green	100	0565600000



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 – 16 mm² (AWG 20 – 6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

DIN colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	O white	500	9019010000
H0.5/16D	0.50	20	16.0	10.0	1.0	2.6	12.0	O white	500	9019020000
H0.75/14D	0.75	18	14.0	8.0	1.2	2.8	10.0	grey	500	9019040000
H0.75/16D	0.75	18	16.0	10.0	1.2	2.8	12.0	grey	500	9019050000
H0.75/18D	0.75	18	18.0	12.0	1.2	2.8	14.0	grey	500	9019060000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	500	9019080000
H1.0/16D	1.00	17	16.0	10.0	1.4	3.0	12.0	red	500	9019100000
H1.0/18D	1.00	17	18.0	12.0	1.4	3.0	15.0	red	500	9019110000
H1.5/16D	1.50	16	16.0	10.0	1.7	3.5	12.0	black	500	9019130000
H1.5/18D	1.50	16	18.0	12.0	1.7	3.5	15.0	black	500	9019140000
H2.5/18D	2.50	14	18.0	12.0	2.2	4.2	14.0	blue	500	9019170000
H4.0/20D	4.00	12	20.0	12.0	2.8	4.8	14.0	grey	500	9019200000
H6.0/20D	6.00	10	20.0	12.0	3.5	6.3	14.0	yellow	100	9019220000
H10.0/22D	10.00	7	22.0	12.0	4.5	7.6	15.0	red	100	9019240000
H16.0/24D	16.00	6	24.0	12.0	5.8	8.8	15.0	blue	100	9019260000

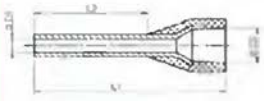
other colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/12D	0.50	20	12.0	6.0	1.0	2.6	8.0	O white	500	9019000000
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	O white	500	9019010000
H0.5/16D	0.50	20	16.0	10.0	1.0	2.6	12.0	O white	500	9019020000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	light blue	500	9021040000
H0.75/16T	0.75	18	16.0	10.0	1.2	2.8	12.0	light blue	500	9021050000
H0.75/18T	0.75	18	18.0	12.0	1.2	2.8	14.0	light blue	500	9021060000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	500	9019080000
H1.0/16D	1.00	17	16.0	10.0	1.4	3.0	12.0	red	500	9019100000
H1.0/18D	1.00	17	18.0	12.0	1.4	3.0	15.0	red	500	9019110000
H1.5/16D	1.50	16	16.0	10.0	1.7	3.5	12.0	black	500	9019130000
H1.5/18D	1.50	16	18.0	12.0	1.7	3.5	15.0	black	500	9019140000
H2.5/24T	2.50	14	24.0	18.0	2.2	4.2	20.0	grey	500	9021090000
H4.0/20T	4.00	12	20.0	12.0	2.8	4.8	14.0	orange	500	9021110000
H6.0/20T	6.00	10	20.0	12.0	3.5	6.3	14.0	green	100	9021130000
H10.0/22T	10.00	7	22.0	12.0	4.5	7.6	15.0	brown	100	9021150000
H16.0/24T	16.00	6	24.0	12.0	5.8	8.8	15.0	O white	100	9021170000
H16.0/28T	16.00	6	28.0	18.0	5.8	8.8	21.0	O white	100	9021180000

Accessories – Wire end ferrules with plastic collar, special sizes



- Especially suitable for the Push In terminal blocks with the widths of 5.1 mm and 8 mm
- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 4 – 10 mm² (AWG 12 – 7)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller / DIN colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H4.0/20DS	4.00	12	20.0	12.0	2.9	4.7	14.0	grey	500	9209930000
H10.0/22S	10.00	7	22.0	12.0	4.6	7.1	14.0	ivory	100	9209620000

Terminals, I-Series

Terminals, I-Series

Overview I-Series	C.2
Feed-through terminals	C.6
Modular PE terminals	C.10
Double level terminals	C.14
Modular disconnect terminals	C.18
Fuse terminals	C.20
Hybrid modular terminals	C.22
Pluggable standard terminals	C.30
Initiator and actuator terminals	C.32
Terminals with electronic components	C.38
Accessories I-Series	C.42

I-Series / IDC technology

IDC stands for Insulation Displacement Connection. Innovative, more effective, offering greater cost-savings and maximum contact reliability.
This method of connection, already tried and tested in telecommunications and electronics, is now available for industrial applications incorporated into modular terminals.

The IDC technology results in minimum work during installation but still guarantees reliable contact – and all **without special cable preparation tools, the associated time or cost.**

All standardised PVC-insulated conductors with cross-sections between 0.21 and 1.5 mm² (0.5 and 2.5 mm²) are suitable for this type of connection.

Users who wish to connect special conductors should consult Weidmüller first. For all up-to-date information about this type of connection simply visit the website at **www.idc2.de**.

If it is not possible to connect a certain type of conductor, the Weidmüller hybrid terminals, could offer the best solution. These terminals have an IDC on one side and either a screw or tension clamp connection on the other.

Product overview

Rated cross-section	1.5 mm²	2.5 mm²
Feed-through terminals		
2 connectors	•	•
3 connectors	•	•
4 connectors	•	•
PE terminals		
2 connectors	•	•
3 connectors	•	•
4 connectors	•	•
Fuse terminals	•	•
Disconnect terminals	•	•
Double level terminals	•	
Initiator/Actuator terminals	•	
Plug-in terminals	•	
Hybrid terminals (IDC/screw)		
2 connectors	•	•
3 connectors	•	•
Hybrid terminals (IDC/tension clamp)		
2 connectors	•	•
3 connectors	•	
Terminals with electrical components	•	•

1 The connection

Separating the electrical and mechanical functions (galvanic isolation) results in major advantages for this type of connection, too.

- Extremely high contact reliability thanks to the extra spring (spring steel).
- Copper current bar for low through resistance..
- A wide clamping range for different cross-sections: 0.21...1.5 mm² and 0.50...2.5 mm²

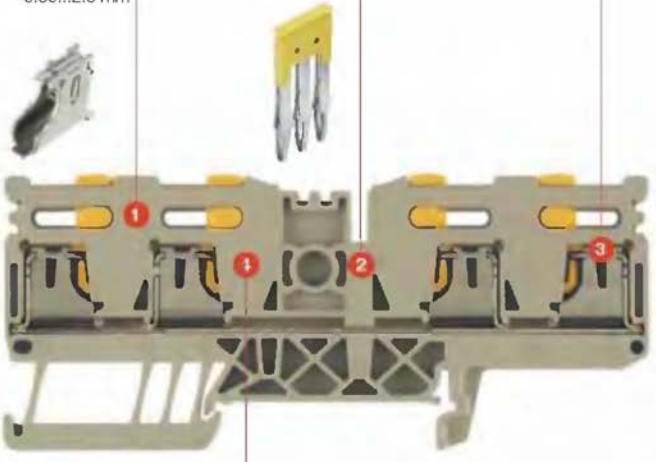
2 Plug-in cross-connections

- 2- to 10-pole, or "endless" for custom fabrication.
- Full rated current.
- Break-out poles for bypassing alternate potentials.
- Electric shock protection (finger-proof) to German standard VBG 4.

3 Maximum ease of use

Insert the screwdriver as far as possible into the clamping point, press sideways, and the connection is complete!

A visible, reliable connection.



The Wemid insulating material

- Non-tracking, CTI 600
- Thermally stable up to 120°C
- V0 flammability rating to UL 94
- Free from halogen and phosphor flame-retardant substances

Major time- and cost-savings

- Time-savings of up to 76% compared with conventional types of connection (see next page)

4 Reliable contact

- Reliable contact thanks to the visual check

Comprehensive accessories

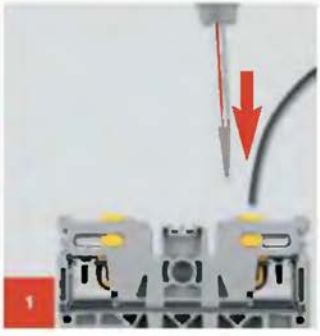
- Test adapter, test plug
- Can be used with standard and group markers
- End plates, partition plates
- Covers
- Reducing sleeves
- Fuse holder

Standards and directives

IDC2 terminals comply with standards such as:

- Modular terminal standards: IEC 60947-7-1/-2/-3
- IDC standard: IEC 60352-4
- More stringent Weidmüller tests
- National and international approvals, Germanischer Lloyd, Lloyds Register, DNV, RINA, KEMA, KEUR
- ATEX approval

How it works
No stripping – no crimping – no special tools



Insert the cut-off conductor straight into the terminal ...

... then insert the screwdriver as far as it will go in front of the slide.

Now press the slide using the screwdriver so that it engages.

Pull the screwdriver out: the conductor is securely in place. Without stripping or crimping ferrules, without the need for any special tools.

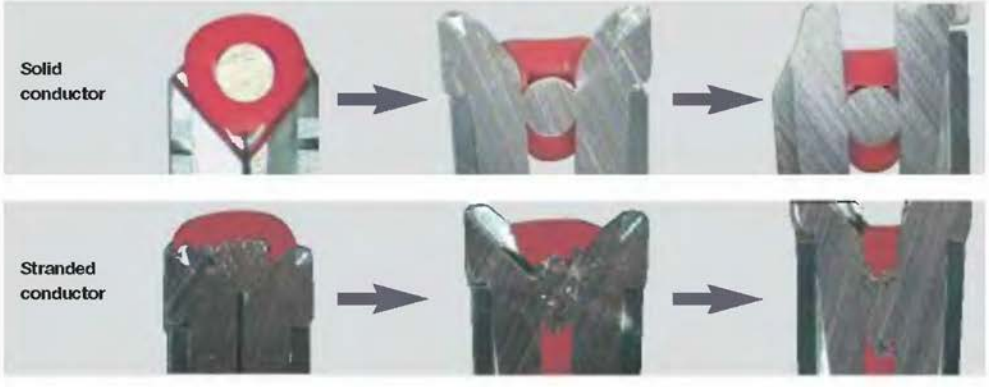
A look inside ...

shows the benefits of our technology.

Conductor being cut:
the insulation is pre-cut.

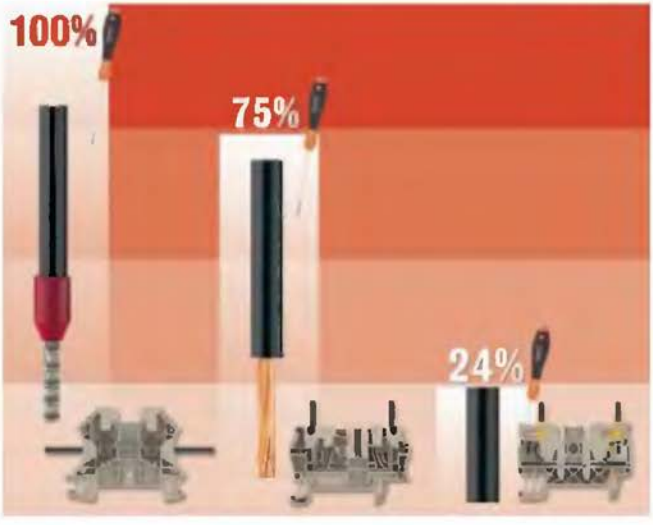
Conductor during wiring:
the insulation is cut through, producing the first contact with the current bar.

Conductor in its final position:
the insulation is cut through completely, ensuring secure contact over a wide area.



The benefits: Extreme time-savings

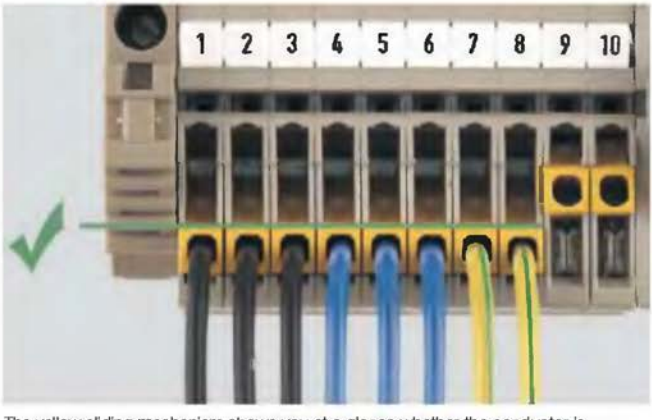
In comparaison:
Clamping yoke **Tension clamp** **IDC2**



Quick connection ... secure contact

Connecting with convincing results: practical tests have shown that users can achieve time-savings of up to 76 % compared to other connection techniques. The high-speed connection and more secure contact are produced without any additional tools.

Secure connection with visual function check



The yellow sliding mechanism shows you at a glance whether the conductor is properly in contact

Separately sprung

The tensioned steel IDC contact ensures galvanic isolation. This principle offers a high degree of safety and flexibility when connecting up different conductor cross-sections.

Feed-through terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDU 1.5N	IDU 1.5N/3AN
		1.5 mm²	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 59.5 x 40.5	5.1 x 78.5 x 40.5
max. current / max. cond. cross-section	A/mm²	/ 1.5	/ 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5

Technical data

		IDU 1.5N	IDU 1.5N/3AN
		IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D
Rated data		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300 / 275	500 / 300 / 300 / 275
Rated current	A	17.5 / 10 / 10 / 15	17.5 / 10 / 10 / 15
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16 / 1.5	1.5 / AWG 24... 16 / AWG 24... 16 / 1.5
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 1.5N	100	1792540000	IDU 1.5N/3AN	100	1792570000
	blue Wemid	IDU 1.5N BL	100	1792550000	IDU 1.5N/3AN BL	100	1792580000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608860000	ZQV 2.5/2	24	60	1608860000
	3-pole	ZQV 2.5/3	24	60	1608870000	ZQV 2.5/3	24	60	1608870000
	4-pole	ZQV 2.5/4	24	60	1608880000	ZQV 2.5/4	24	60	1608880000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 1.5N	2	50	1792430000	IAP 1.5N/3AN	2	50	1792450000
	blue Wemid	IAP 1.5N BL	2	50	1792440000	IAP 1.5N/3AN BL	2	50	1792460000
End bracket			width [mm]				width [mm]		
	dark beige Wemid	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Test adapter									
For testing wired terminal strips	Standard	ITA 1		25	1803000000	ITA 1		25	1803000000
	with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm / AWG 18								
Cover									
	with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	1805500000	IAD 1/4 GE MIT BLITZ		20	1805500000
	blank	IAD 1/4 GE Neutral		20	1818420000	IAD 1/4 GE Neutral		20	1818420000
Labelling systems	(see large selection in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IDU 1.5N/4AN — 1.5 mm²

5.1 x 93.5 x 40.5
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
15	AWG 24... 16	AWG 24... 16	15
	6 / 3		
	/ V-0		
			KEMA 02ATEX2241 U

Rated connection	Further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IDU 1.5N/4AN	100	1792600000
IDU 1.5N/4AN BL	100	1792610000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/4AN	2	50	1792470000
IAP 1.5N/4AN BL	2	50	1792480000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ		20	1805500000
IAD 1/4 GE Neutral		20	1818420000
WS 10/5			

IDU 1.5N/2X2AN — 1.5 mm²

5.1 x 93.5 x 40.5
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500			275
17.5			
15	AWG 24... 16	AWG 24... 16	15
	6 / 3		
	/ V-0		
			KEMA 02ATEX2241 U

Rated connection	Further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IDU 1.5N/2X2AN	100	1824340000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/4AN	2	50	1792470000
IAP 1.5N/4AN BL	2	50	1792480000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ		20	1805500000
IAD 1/4 GE Neutral		20	1818420000
WS 10/5			

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDU 2.5N 2.5 mm²	IDU 2.5N/3AN 2.5 mm²
width x length x height with TS 35 x 7.5	mm	6.1 x 66.4 x 45.6	6.1 x 87.9 x 45.6
max. current / max. cond. cross-section	A/mm²	/ 2.5	/ 2.5
max. clamping range	mm²	0.5 ... 2.5	0.5 ... 2.5

Technical data

		IDU 2.5N	IDU 2.5N/3AN
Rated data		IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D
Rated voltage	V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current	A	24 / 15 / 15 / 21	24 / 15 / 15 / 21
Rated cross-section	mm²	2.5 / AWG 20... 14 / AWG 20... 14 / 2.5	2.5 / AWG 20... 14 / AWG 20... 14 / 2.5
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		DEMKO 03ATEX134054U	DEMKO 03ATEX134054U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 2.5	0.5... 2.5
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5	0.5... 2.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 2.5N	100	1812900000	IDU 2.5N/3AN	100	1812930000
	blue Wemid	IDU 2.5N BL	100	1812910000	IDU 2.5N/3AN BL	100	1812940000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4/2 GE	32	60	1608950000	ZQV 4/2 GE	32	60	1608950000
	3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
	4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
	10-pole	ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
	20-/24-pole	ZQV 4/20 GE	32	20	1909010000	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 2.5N	2	50	1813020000	IAP 2.5N/3AN	2	50	1813040000
	blue Wemid	IAP 2.5N BL	2	50	1813030000	IAP 2.5N/3AN BL	2	50	1813050000
End bracket			width [mm]				width [mm]		
	dark beige Wemid	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Test adapter									
For testing wired terminal strips	Standard	ITA 2		25	1821210000	ITA 2		25	1821210000
	with spigot	ITA 2/ZA		25	1821220000	ITA 2/ZA		25	1821220000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20								
	for conductors < 1.0 mm / AWG 18	IRH 2.5		100	1848230000	IRH 2.5		100	1848230000
Cover									
	with lightning flash symbol	IAD 2/4 GE MIT BLITZ		20	1828420000	IAD 2/4 GE MIT BLITZ		20	1828420000
	blank	IAD 2/4 GE NEUTRAL		20	1828430000	IAD 2/4 GE NEUTRAL		20	1828430000
Labelling systems	(see large size assortment in catalogue 7)								
	Marking tags	WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

IDU 2.5N/4AN — 2.5 mm²

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20... 14	AWG 20... 14	2.5
	8 / 3		
	/ V-0		

DEMKO 03ATEX134054U

Rated connection	further connection
0.5...2.5	
0.5...2.5	
/ 0.6 x 3.5	

Type	Qty.	Order No.
IDU 2.5N/4AN	50	1812960000
IDU 2.5N/4AN BL	50	1812970000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608960000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
IAP 2.5N/4AN	2	50	1813070000
IAP 2.5N/4AN BL	2	50	1813080000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000
WS 10/6			

IDU 2.5N/2x2AN — 2.5 mm²

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
800	600	600	
24	15	15	
2.5	AWG 20... 14	AWG 20... 14	
	8 / 3		
	/ V-0		

Rated connection	further connection
0.5...2.5	
0.5...2.5	
/ 0.6 x 3.5	

Type	Qty.	Order No.
IDU 2.5N/2X2AN	50	1821230000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608960000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
IAP 2.5N/4AN	2	50	1813070000
IAP 2.5N/4AN BL	2	50	1813080000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000
WS 10/6			

Modular PE terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IPE 1.5N	1.5 mm²	IPE 1.5N/3AN	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 59,5 x 40.5		5.1 x 78.5 x 40.5	
max. current / max. cond. cross-section	A/mm²	/ 1.5		/ 1.5	
max. clamping range	mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

		IPE 1.5N	IPE 1.5N/3AN
Rated data		IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D
Rated cross-section	mm²	IEC 1.5 / UL AWG 24... 16 / CSA AWG 24... 16 / EN 60079-7 1.5	IEC 1.5 / UL AWG 24... 16 / CSA AWG 24... 16 / EN 60079-7 1.5
Rated voltage to adjacent termiant	V	500	500
Rated impulse withstand voltage to adjacent terminal	kV	6	6
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (frong screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

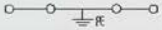
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IPE 1.5N	100	1792560000	IPE 1.5N/3AN	100	1792590000
Note						

Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate									
dark beige Wemid		IAP 1.5N	2	50	1792430000	IAP 1.5N/3AN	2	50	1792450000
End bracket			width [mm]				width [mm]		
dark beige / beige		WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking									
For testing wired terminal strips	Standard	ITA 1		25	1803800000	ITA 1		25	1803800000
	with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18								
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IPE 1.5N/4AN — 1.5 mm²

5.1 x 93.5 x 40.5
/ 1.5
0.21 ... 1.5



IEC 60947-7-2 / IEC 60352-4 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24... 16	AWG 24... 16	1.5
500			
6			
	3		
	/ V-0		
	KEMA 02ATEX2241 U		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IPE 1.5N/4AN	100	1792620000

Type	width [mm]	Qty.	Order No.
IAP 1.5N/4AN	2	50	1792470000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
WS 10/5			

IDK 1.5N/PE — 1.5 mm²

5.1 x 100 x 54
/ 1.5
0.21 ... 1.5

IEC 60947-7-2 / IEC 60352-4 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24... 16	AWG 24... 16	1.5
500			
6			
	3		
	/ V-0		
	KEMA 02ATEX2241 U		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

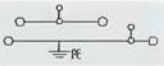
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IDK 1.5N PE	50	1792690000

Type	width [mm]	Qty.	Order No.
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
WS 10/5			

IDK 1.5N DU-PE — 1.5 mm²

5.1 x 100 x 54
17.5 / 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4, IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
1.5	AWG 24... 16	AWG 24... 16	1.5
500			
6			
	3		
	/ V-0		
	KEMA 02ATEX2241 U		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IDK 1.5N DU-PE	50	1831610000

Type	width [mm]	Qty.	Order No.
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY		1	9006020000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
WS 10/5			

Modular PE terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IPE 2.5N	2.5 mm²	IPE 2.5N/3AN	2.5 mm²
width x length x height with TS 35 x 7.5	mm	6.1 x 66.4 x 45.6		6.1 x 87.9 x 45.6	
max. current / max. cond. cross-section	A/mm²	/ 2.5		/ 2.5	
max. clamping range	mm²	0.5 ... 2.5		0.5 ... 2.5	

Technical data

		IPE 2.5N	IPE 2.5N/3AN
Rated data		IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D
Rated cross-section	mm²	IEC: 2.5 / UL: AWG 20... 14 / CSA: AWG 20... 14 / EN 60079-7: 2.5	IEC: 2.5 / UL: AWG 20... 14 / CSA: AWG 20... 14 / EN 60079-7: 2.5
Rated voltage to adjacent termiant	V	800	800
Rated impulse withstand voltage to adjacent terminal	kV	8	8
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		DEMKO 03ATEX134054U	DEMKO 03ATEX134054U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 2.5	0.5... 2.5
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5	0.5... 2.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (frong screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire end ferrule	mm²		
Note			

Ordering data

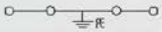
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IPE 2.5N	100	1812920000	IPE 2.5N/3AN	100	1812960000
Note						

Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate									
dark beige Wemid		IAP 2.5N	2	50	1813020000	IAP 2.5N/3AN	2	50	1813040000
End bracket			width [mm]				width [mm]		
dark beige / beige		WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking									
For testing wired terminal strips	Standard	ITA 2		25	1821210000	ITA 2		25	1821210000
	with spigot	ITA 2/ZA		25	1821220000	ITA 2/ZA		25	1821220000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20								
	for conductors < 1.0 mm² / < AWG 18	IRH 2.5		100	1848230000	IRH 2.5		100	1848230000
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

IPE 2.5N/4AN — 2.5 mm²

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5



IEC 60947-7-2 / IEC 60352-4 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 20... 14	AWG 20... 14	2.5
800			
8			
	3		
	/ V-0		
		DEMKO 03ATEX134054U	

Rated connection	further connection
0.5... 2.5	
0.5... 2.5	
/ 0.6 x 3.5	

Type	Qty.	Order No.
IPE 2.5N/4AN	50	1812980000

Type	width [mm]	Qty.	Order No.
IAP 2.5N/4AN	2	50	1813070000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9008060000
SD 0.6X3.5X100		1	9008330000
IRH 2.5		100	1848230000
WS 10/6			

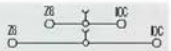
Double level terminals

Feed-through terminals

	IDK 1.5N	1.5 mm²	IDK 1.5N/V	1.5 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 54	5.1 x 100 x 54
max. current / max. cond. cross-section	A/mm²	/ 1.5	17.5 / 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5



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Technical data

	IDK 1.5N				IDK 1.5N/V			
	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D
Rated data	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	275	500	300	300	275
Rated current A	17.5	10	10	15	17.5	10	10	15
Rated cross-section mm²	1.5	AWG 24... 16	AWG 24... 16	1.5	1.5	AWG 24... 16	AWG 24... 16	1.5
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	/ V-0				/ V-0			
Approvals	KEMA 02ATEX2241 U				KEMA 02ATEX2241 U			
Clamped conductors (H05V/H07V)	Rated connection		further connection		Rated connection		further connection	
Solid / stranded mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire-end ferrule mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw) Nm								
Stripping length / Blade size mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note	Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Ordering data

	IDK 1.5N			IDK 1.5N/V		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige Wemid	IDK 1.5N	50	1792650000	IDK 1.5N/V	50	1792680000
blue Wemid	IDK 1.5N BL	50	1792660000			
Note						

Accessories

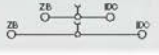
	IDK 1.5N				IDK 1.5N/V			
Cross-connection, pluggable	**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	IAP 1.5N/DK	2	50	1792520000	IAP 1.5N/DK	2	50	1792520000
blue Wemid	IAP 1.5N/DK BL	2	50	1792530000	IAP 1.5N/DK BL	2	50	1792530000
End bracket		**width [mm]**				**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Test adapter								
For testing wired terminal strips Standard	ITA 1		25	1803000000	ITA 1		25	1803000000
with spigot	ITA 1/ZA		25	1803010000	ITA 1/ZA		25	1803010000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
for conductors < 1.0 mm² / AWG 18								
Cover								
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	1805500000	IAD 1/4 GE MIT BLITZ		20	1805500000
blank	IAD 1/4 GE Neutral		20	1818420000	IAD 1/4 GE Neutral		20	1818420000
Labelling systems (see large selection in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

Feed-through hybrid terminals

IDK 1.5N/ZB — **1.5 mm²**

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5 mm	**5.1** x 95.5
max. current / max. cond. cross-section A/mm²	**/ 1.5**
max. clamping range mm²	**0.21 ... 1.5**



Technical data

IEC 60947-7-1 / IEC 60352-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	17.5	10	10	
Rated cross-section mm²	1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	0.21...1.5	0.5...4
Flexible / Flexible with wire-end ferrule mm²	0.21...1.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm		0.4...0.6 Nm / M 2.5
Stripping length / Blade size mm / -		10 / 0.6 x 3.5

Note	
	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	IDK 1.5N/ZB	50	1891950000
blue Wemid	IDK 1.5N/ZB BL	50	1896720000

Note	
	PE terminal IDK 1.5N/ZB PE 1891970000, 4 connections at one potential with IDK 1.5N/ZB V, 1891960000

Accessories

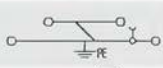
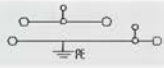
Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	IAP 1.5N/DIK-ZB	2	50	1896710000
blue Wemid	IAP 1.5N/DIK-ZB BL	2	50	1896730000
End bracket		**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	1061200000
Test adapter				
For testing wired terminal strips Standard	ITA 1		25	1803000000
with spigot	ITA 1/ZA		25	1803810000
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	IRH 1.5		100	1804510000
for conductors < 1.0 mm / AWG 18				
Cover				
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	1805500000
blank				
Labelling systems (see large selection in catalogue 7)				
Marking tags				

For detailed information on other accessories and applications see "Accessories"

Double level terminals

Modular PE terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	IDK 1.5N/PE	1.5 mm²	IDK 1.5N DU-PE	1.5 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 100 x 54		5.1 x 100 x 54	
max. current / max. cond. cross-section A/mm²	/ 1.5		17.5 / 1.5	
max. clamping range mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

	IDK 1.5N/PE	IDK 1.5N DU-PE
	IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4, IEC 60947-7-2 / IEC 60352-4
Rated data		
Rated cross-section mm²	IEC 1.5 / UL AWG 24... 16 / CSA AWG 24... 16 / EN 60079-7 1.5	IEC 1.5 / UL AWG 24... 16 / CSA AWG 24... 16 / EN 60079-7 1.5
Rated voltage to adjacent termiant V	500	500
Rated impulse withstand voltage to adjacent terminal kV	6	6
Short-time withstand current A		
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	/ V-0	/ V-0
Approvals	KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire-end ferrule mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw) Nm		
Tightening torque range (frong screw) Nm		
Stripping length / Blade size mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note	Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

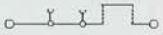
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IDK 1.5N PE	50	1792690000	IDK 1.5N DU-PE	50	1831610000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	IAP 1.5N/DK	2	50	1792520000	IAP 1.5N/DK	2	50	1792520000
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking								
For testing wired terminal strips Standard	ITA 1		25	1803800000	ITA 1		25	1803800000
with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY		1	9006020000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20 for conductors < 1.0 mm² / < AWG 18	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

Modular disconnect terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ITR 1.5N	1.5 mm²	ITR 1.5N/3AN	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 78.8 x 46.5		**5.1** x 93.5 x 46.5	
max. current / max. cond. cross-section	A/mm²	**16 / 1.5**		**/ 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		ITR 1.5N	ITR 1.5N/3AN
Rated data		IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537	IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, feed-through terminal	V	400 / 300 / 300	400 / 300 / 300
Rated current	A	16 / 10 / 10	16 / 10 / 10
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16	1.5 / AWG 24... 16 / AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire-end ferrule	mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

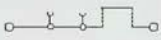
		Type	Qty.	Order No.	Type	Qty.	Order No.
Version							
	dark beige Wemid	ITR 1.5N	100	1792630000	ITR 1.5N/3AN	100	1812510000
	blue Wemid	ITR 1.5N BL	100	1792670000	ITR 1.5N/3AN BL	100	1812520000
	without disconnector, dark beige Wemid	ITR 1.5N O TNHE	100	1814160000			
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable		ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
	2-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
	3-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
	4-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	10-pole		width [mm]				width [mm]		
End plate / Partition plate		IAP 1.5N/3AN	2	50	1792450000	IAP 1.5N/4AN	2	50	1792470000
End plate	dark beige Wemid								
Partition plate	dark beige Wemid		width [mm]				width [mm]		
End bracket		WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
	dark beige								
Screwdrivers		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
	Standard								
Test plug									
	Plug dia. 2.3 mm								
Holder for cartridge fuse, 5 x 20mm									
	400 V ac/dc, without LED	SIHA 3/G/20		25	7921560000	SIHA 3/G/20		25	7921560000
	10-36 V ac/dc, red LED	SIHA 3/G/20/LD 10-36V		25	7921560000	SIHA 3/G/20/LD 10-36V		25	7921560000
	140-250V ac/dc, red LED	SIHA 3/G/20/LD 140-250V		25	7921560000	SIHA 3/G/20/LD 140-250V		25	7921560000
Modulo connector (max. 250 V)									
reversed insertion possible	without fittings	BEST		50	1833100000	BEST		50	1833100000
	with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
	with 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnecting plug									
	yellow Wemid	TNST		50	1833090000	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)									
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"						To cross-connect to other IDC2 terminals use QVAR1 (see Accessories)			

ITR 2.5N — 2.5 mm²

6.1 x 87.9 x 49.5
/ 2.5
0.5 ... 2.5



IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
18	10	10	
2.5	AWG 20... 14	AWG 20... 14	
	6 / 3		
	/ V-0		

Rated connection
0.5...2.5
0.5...2.5

/ 0.6 x 3.5

Type	Qty.	Order No.
ITR 2.5N	100	1812990000
ITR 2.5N BL	100	1813000000
ITR 2.5N O TNHE	100	1820600000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
	width [mm]		
IAP 2.5N/3AN	2	50	1813040000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
WS 10/6			

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ITR 1.5N/SI 1.5 mm²	ITR 1.5N/3AN/SI 1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 78.5 x 88.5	5.1 x 93.5 x 88.8
max. current / max. cond. cross-section	A/mm²	17.5 / 1.5	/ 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5

Technical data

		ITR 1.5N/SI	ITR 1.5N/3AN/SI
Rated data		IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537	IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, adjacent terminal	V	250 / 300 / 300	250 / 300 / 300
Rated current	A	6.3 / 6.3 / 6.3	6.3 / 6.3 / 6.3
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16	1.5 / AWG 24... 16 / AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire-end ferrule	mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IFH 1.5; max. power loss (1.6 W) at cartridge fuse limits rated current of terminal.	Conductor < 0.5 mm² / AWG 24 with IFH 1.5; max. power loss (1.6 W) at cartridge fuse limits rated current of terminal.

Ordering data

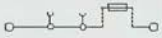
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	ITR 1.5N SI	25	1792640000	ITR 1.5N/3AN SI	25	1820990000
	10-36 V ac/dc, with LED						
	30-70V ac/dc, with LED						
	60-150 V ac/dc, with LED						
	140-250V ac/dc, with LED						
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 2.5/2	24 A	60	1608860000	ZQV 2.5/2	24 A	60	1608860000
	3-pole	ZQV 2.5/3	24 A	60	1608870000	ZQV 2.5/3	24 A	60	1608870000
	4-pole	ZQV 2.5/4	24 A	60	1608880000	ZQV 2.5/4	24 A	60	1608880000
	10-pole	ZQV 2.5/10	24 A	20	1608940000	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate (after last terminal)			width [mm]				width [mm]		
	End plate, Wemid	IAP 1.5N/3AN	2	50	1792450000	IAP 1.5N/4AN	2	50	1792470000
	Partition plate, Wemid								
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
		SWIFTY SET		1	9006090000	SWIFTY SET		1	9006090000
Cartridge fuse, 5 x 20mm (IEC 60127-2)									
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	0430500000	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A (at 250V / 50Hz / cos j = 0.7)	0.5 A quick-blow	G 20/0.5A/F		10	0430600000	G 20/0.5A/F		10	0430600000
	1 A quick-blow	G 20/1A/F		10	0430700000	G 20/1A/F		10	0430700000
	2 A quick-blow	G 20/2A/F		10	0430900000	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse									
G25 (DIN 41 576 / 250V)	0.5 A medium time-lag / 2 A								
Rated voltage 250 V	1 A medium time-lag / 3 A								
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow / 5A								
Rated voltage 440 V	4 A quick-blow /10 A								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"						To cross-connect to other IDC2 terminals use QVAR1 (1608370000)			

ITR 2.5N/SI — 2.5 mm²

6.1 x 87.9 x 92.5
/ 2.5
0.21 ... 2.5



IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
250	300	300	
6.3	6.3	6.3	
2.5	AWG 20... 14	AWG 20... 14	
	/ 3		
	/ V-0		

Rated connection
0.5...2.5
0.5...2.5

/ 0.6 x 3.5

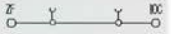
Type	Qty.	Order No.
ITR 2.5N SI	25	1813010000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
	width [mm]		
IAP 2.5N	2	50	1813020000
SD 0.6x3.5x100		1	9008330000
SWIFTY SET		1	9009060000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000

WS 10/6

Feed-through terminals

	IDU 1.5N/ZF	1.5 mm²	IDU 1.5N/ZF/3AN	1.5 mm²
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.				
width x length x height with TS 35 x 7.5 mm	5.1 x 59,5 x 40.5		5.1 x 78.5 x 40.5	
max. current / max. cond. cross-section A/mm²	/ 1.5		/ 1.5	
max. clamping range mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

	IDU 1.5N/ZF				IDU 1.5N/ZF/3AN			
Rated data	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	275	500	300	300	275
Rated current A	17.5	10	10	15	17.5	10	10	
Rated cross-section mm²	1.5	AWG 24... 16	AWG 24... 16	1.5	1.5	AWG 24... 16	AWG 24... 16	1.5
Rated impulse withstand voltage / Pollution severity kV/-			6 / 3				6 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0				/ V-0	
Approvals				KEMA 02ATEX2241 U				KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)	Rated connection		further connection		Rated connection		further connection	
Solid / stranded mm²	0.21...1.5		0.5...4		0.21...1.5		0.5...4	
Flexible / Flexible with wire-end ferrule mm²	0.21...1.5		0.5...4 / 0.5...2.5		0.21...1.5		0.5...4 / 0.5...2.5	
Tightening torque range (clamping screw) Nm								
Stripping length / Blade size mm / -	/ 0.6 x 3.5		10 / 0.6 x 3.5		/ 0.6 x 3.5		10 / 0.6 x 3.5	
Note	Conductor < 0.5 mm² / AWG 24 with IRH 1.5 32 A continuous current for cross-connection (for supply)				Conductor < 0.5 mm² / AWG 24 with IRH 1.5 32 A continuous current for cross-connection (for supply)			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	IDU 1.5N/ZF	100	1792700000	IDU 1.5N/3AN/ZF	100	1806150000
blue Wemid	IDU 1.5N/ZF BL	100	1792710000	IDU 1.5N/3AN/ZF BL	100	1819470000
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	IAP 1.5N	2	50	1792430000	IAP 1.5N/3AN	2	50	1792450000
blue Wemid	IAP 1.5N BL	2	50	1792440000	IAP 1.5N/3AN BL	2	50	1792460000
End bracket		**width [mm]**				**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Test adapter								
For testing wired terminal strips Standard	ITA 1		25	1803000000	ITA 1		25	1803000000
with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20 for conductors < 1.0 mm / AWG 18	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
Cover								
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	1805500000	IAD 1/4 GE MIT BLITZ		20	1805500000
blank	IAD 1/4 GE Neutral		20	1818420000	IAD 1/4 GE Neutral		20	1818420000
Labelling systems (see large size x.1 insert in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

IDU 1.5N/ZB — 1.5 mm²

5.1 x 59.5 x 40.5
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24... 16	AWG 24... 16	1.5
6 / 3			
/ V-0			
			KEMA 02ATEX2241 U

Rated connection	further connection
0.21... 1.5	0.5... 4
0.21... 1.5	0.5... 4 / 0.5... 2.5
	0.4... 0.6 Nm / M 2.5
/ 0.6 x 3.5	10 / 0.6 x 3.5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5
32 A continuous current for cross-connection (for supply)

Type	Qty.	Order No.
IDU 1.5N/ZB	100	1792730000
IDU 1.5N/ZB BL	100	1792740000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608870000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N	2	50	1792430000
IAP 1.5N BL	2	50	1792440000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ		20	1805500000
IAD 1/4 GE Neutral		20	1818420000
WS 10/5			

IDU 1.5N/ZB/3AN — 1.5 mm²

5.1 x 78.5 x 40.5
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	1.5
6 / 3			
/ V-0			
			KEMA 02ATEX2241 U

Rated connection	further connection
0.21... 1.5	0.5... 4
0.21... 1.5	0.5... 4 / 0.5... 2.5
	0.4... 0.6 Nm / M 2.5
/ 0.6 x 3.5	10 / 0.6 x 3.5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5
32 A continuous current for cross-connection (for supply)

Type	Qty.	Order No.
IDU 1.5N/3AN/ZB	100	1806170000
IDU 1.5N/3AN/ZB BL	100	1819480000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608870000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/3AN	2	50	1792450000
IAP 1.5N/3AN BL	2	50	1792460000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 1		25	1803800000
ITA 1/ZA		25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ		20	1805500000
IAD 1/4 GE Neutral		20	1818420000
WS 10/5			

IDU 2.5N/ZF — 2.5 mm²

6.1 x 66.4 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20... 14	AWG 20... 14	2.5
8 / 3			
/ V-0			
			DEMKO 03ATEX134054U

Rated connection	further connection
0.5... 2.5	0.5... 6
0.5... 2.5	0.5... 6 / 0.5... 4
/ 0.6 x 3.5	10 / 0.6 x 3.5

Type	Qty.	Order No.
IDU 2.5N/ZF	100	1821260000
IDU 2.5N/ZF BL	100	1821270000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
IAP 2.5N	2	50	1813020000
IAP 2.5N BL	2	50	1813030000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000
WS 10/5			

Feed-through terminals

	IDU 2.5N/ZB	2.5 mm²	IDU 2.5N/3AN/ZB	2.5 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5	mm	6.1 x 66.4 x 45.6	6.1 x 87.9 x 45.6
max. current / max. cond. cross-section	A/mm²	/ 2.5	/ 2.5
max. clamping range	mm²	0.5 ... 2.5	0.5 ... 2.5

Technical data

		IDU 2.5N/ZB				IDU 2.5N/3AN/ZB			
Rated data									
Rated voltage	V	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II (Ex) II 2 G D
Rated current	A	IEC: 800	UL: 600	CSA: 600	EN 60079-7: 550	IEC: 800	UL: 600	CSA: 600	EN 60079-7: 550
Rated cross-section	mm²	24	15	15	21	24	15	15	21
Rated impulse withstand voltage / Pollution severity	kV/-	2.5	AWG 20... 14	AWG 20... 14	2.5	2.5	AWG 20... 14	AWG 20... 14	2.5
Gauge to IEC 60947-1 / UL94 Flammability class		8 / 3				8 / 3			
Approvals		/ V-0				/ V-0			
		DEMKO 03ATEX134054U				DEMKO 03ATEX134054U			
Clamped conductors (H05V/H07V)		Rated connection		further connection		Rated connection		further connection	
Solid / stranded	mm²	0.5...2.5		0.5...6		0.5...2.5		0.5...6	
Flexible / Flexible with wire-end ferrule	mm²	0.5...2.5		0.5...6 / 0.5...4		0.5...2.5		0.5...6 / 0.5...4	
Tightening torque range (clamping screw)	Nm			0.5...0.8 Nm				0.5...0.8 Nm	
Stripping length / Blade size	mm / -	/ 0.6 x 3.5		13 / 0.6 x 3.5		/ 0.6 x 3.5		13 / 0.6 x 3.5	
Note									

Ordering data

		IDU 2.5N/ZB			IDU 2.5N/3AN/ZB		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid		IDU 2.5N/ZB	100	1821290000	IDU 2.5N/3AN/ZB	100	1848300000
blue Wemid		IDU 2.5N/ZB BL	100	1821300000	IDU 2.5N/3AN/ZB BL	100	1848310000
Note							

Accessories

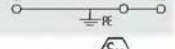
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole		ZQV 4/2 GE	32	60	1608950000	ZQV 4/2 GE	32	60	1608950000
3-pole		ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
4-pole		ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
10-pole		ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
20-/24-pole		ZQV 4/20 GE	32	20	1909010000	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate			width [mm]				width [mm]		
dark beige Wemid		IAP 2.5N	2	50	1813020000	IAP 2.5N/3AN	2	50	1813040000
blue Wemid		IAP 2.5N BL	2	50	1813030000	IAP 2.5N/3AN BL	2	50	1813050000
End bracket			width [mm]				width [mm]		
dark beige Wemid		WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Test adapter									
For testing wired terminal strips	Standard	ITA 2		25	1821210000	ITA 2		25	1821210000
	with spigot	ITA 2/ZA		25	1821220000	ITA 2/ZA		25	1821220000
Screwdrivers									
with cutting device "swiftly set"		SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
for conductors < 0.5 mm / AWG 20									
for conductors < 1.0 mm / AWG 18		IRH 2.5		100	1848230000	IRH 2.5		100	1848230000
Cover									
with lightning flash symbol		IAD 2/4 GE MIT BLITZ		20	1828420000	IAD 2/4 GE MIT BLITZ		20	1828420000
blank		IAD 2/4 GE NEUTRAL		20	1828430000	IAD 2/4 GE NEUTRAL		20	1828430000
Labelling systems	(see large selection in catalogue 7)								
Marking tags		WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

Modular PE terminals

	IPE 1.5N/ZF	1.5 mm²	IPE 1.5N/ZF/3AN	1.5 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5	mm	5.1 x 59.5 x 40.5	5.1 x 78.5 x 40.5
max. current / max. cond. cross-section	A/mm²	/ 1.5	/ 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5



Technical data

		IPE 1.5N/ZF	IPE 1.5N/ZF/3AN
Rated data		IEC 60947-7-2 / IEC 60352-4	IEC 60947-7-2 / IEC 60352-4
		Ex e II (Ex) II 2 G D	Ex e II (Ex) II 2 G D
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16 / 1.5	1.5 / AWG 24... 16 / AWG 24... 16 / 1.5
Rated voltage to adjacent terminal	V	500	500
Rated impulse withstand voltage to adjacent terminal	kV	6	6
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21...1.5 / 0.5...4	0.21...1.5 / 0.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.21...1.5 / 0.5...4 / 0.5...2.5	0.21...1.5 / 0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (frong screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5 / 10 / 0.6 x 3.5	/ 0.6 x 3.5 / 10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IPE 1.5N/ZF	100	1792720000	IPE 1.5N/3AN/ZF	100	1806140000
Note						

Accessories

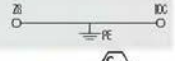
End plate	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid	IAP 1.5N	2	50	1792450000	IAP 1.5N/3AN	2	50	1792450000
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking								
For testing wired terminal strips Standard	ITA 1		25	1803800000	ITA 1		25	1803800000
with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
for conductors < 1.0 mm² / < AWG 18								
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

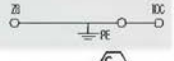
Modular PE terminals

	IPE 1.5N/ZB	1.5 mm²	IPE 1.5N/ZB/3AN	1.5 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5	mm	5.1 x 59.5 x 40.5	5.1 x 78.5 x 40.5
max. current / max. cond. cross-section	A/mm²	/ 1.5	/ 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5





Technical data

		IPE 1.5N/ZB	IPE 1.5N/ZB/3AN
Rated data		IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D	IEC 60947-7-2 / IEC 60352-4 — Ex e II (Ex) II 2 G D
Rated cross-section	mm²	IEC: 1.5 / UL: AWG 24... 16 / CSA: AWG 24... 16 / EN 60079-7: 1.5	IEC: 1.5 / UL: AWG 24... 16 / CSA: AWG 24... 16 / EN 60079-7: 1.5
Rated voltage to adjacent terminal	V	500	500
Rated impulse withstand voltage to adjacent terminal	kV	6	6
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire-end ferrule	mm²	0.21... 1.5 / 0.5...4 / 0.5... 2.5	0.21... 1.5 / 0.5...4 / 0.5... 2.5
Tightening torque range (clamping screw)	Nm	0.4... 0.6 Nm	0.4... 0.6 Nm
Tightening torque range (frong screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5 / 10 / 0.6 x 3.5	/ 0.6 x 3.5 / 10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IPE 1.5N/ZB	100	1792750000	IPE 1.5N/3AN/ZB	100	1806160000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	IAP 1.5N	2	50	1792450000	IAP 1.5N/3AN	2	50	1792450000
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking								
For testing wired terminal strips Standard	ITA 1		25	1803800000	ITA 1		25	1803800000
with spigot	ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
for conductors < 1.0 mm² / < AWG 18								
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

IPE 2.5N/ZF — 2.5 mm²

6.1 x 66.4 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-2 / IEC 60352-4 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 20... 14	AWG 20... 14	2.5
800			
8			
	3		
	/ V-0		
	DEMKO 03ATEX134054U		

Rated connection	further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
/ 0.6 x 3.5	10 / 0.6 x 3.5

Type	Qty.	Order No.
IPE 2.5N/ZF	100	1821280000

Type	width [mm]	Qty.	Order No.
IAP 2.5N	2	50	1813020000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
WS 10/6			

IPE 2.5N/ZB — 2.5 mm²

6.1 x 66.4 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-2 / IEC 60352-4 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 20... 14	AWG 20... 14	2.5
800			
8			
	3		
	/ V-0		
	DEMKO 03ATEX134054U		

Rated connection	further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
	0.5...0.8 Nm / M3
/ 0.6 x 3.5	13 / 0.6 x 3.5

Type	Qty.	Order No.
IPE 2.5N/ZB	100	1821310000

Type	width [mm]	Qty.	Order No.
IAP 2.5N	2	50	1813020000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
WS 10/6			

IPE 2.5N/3AN/ZB — 2.5 mm²

6.1 x 87.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
2.5	AWG 20... 14	AWG 20... 14	
800			
8			
	3		
	/ V-0		

Rated connection	further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
	0.5...0.8 Nm
/ 0.6 x 3.5	13 / 0.6 x 3.5

Type	Qty.	Order No.
IPE 2.5N/3AN/ZB	100	1848320000

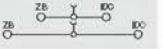
Type	width [mm]	Qty.	Order No.
IAP 2.5N/3AN	2	50	1813040000
	width [mm]		
WEW-35/2	8	100	1061200000
ITA 2		25	1821210000
ITA 2/ZA		25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
WS 10/6			

Double level terminals

IDK 1.5N/ZB — **1.5 mm²**

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5 mm	**5.1** x 95.5
max. current / max. cond. cross-section A/mm²	**/ 1.5**
max. clamping range mm²	**0.21 ... 1.5**



Technical data

IEC 60947-7-1 / IEC 60352-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	17.5	10	10	
Rated cross-section mm²	1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	0.21...1.5	0.5...4
Flexible / Flexible with wire-end ferrule mm²	0.21...1.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm		0.4...0.6 Nm / M 2.5
Stripping length / Blade size mm / -		10 / 0.6 x 3.5

Note	
	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	IDK 1.5N/ZB	50	1891950000
blue Wemid	IDK 1.5N/ZB BL	50	1896720000

Note	
	PE terminal IDK 1.5N/ZB PE 1891970000, 4 connections at one potential with IDK 1.5N/ZB V, 1891960000

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	50	1608360000
3-pole	ZQV 2.5/3	24	50	1608370000
4-pole	ZQV 2.5/4	24	50	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	IAP 1.5N/DK-ZB	2	50	1896710000
blue Wemid	IAP 1.5N/DK-ZB BL	2	50	1896730000
End bracket		**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	1061200000
Test adapter				
For testing wired terminal strips Standard	ITA 1		25	1803800000
with spigot	ITA 1/ZA		25	1803810000
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008380000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	IRH 1.5		100	1804510000
for conductors < 1.0 mm / AWG 18				
Cover				
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	1805500000
blank				
Labelling systems (see large size Trident catalogue 7)				
Marking tags				

For detailed information on other accessories and applications see "Accessories"

Pluggable standard terminal featuring IDC technology

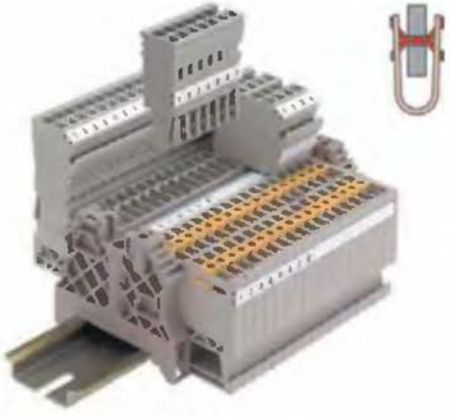
Profit from the amazing benefits of IDC2 technology
quick – secure – compact
in combination with a pluggable standard terminal.

The basic principle is beautifully simple:

One terminal strip for the function unit, one plug-in connector for cable harness assembly. During final assembly, the two units just have to be slotted into each other – like plug-in connectors. And that's all there is to it!

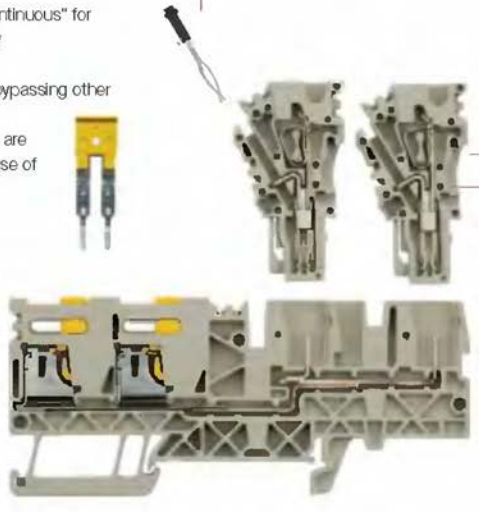
You'll soon be convinced by the benefits of this technology:

Quick assembly of functional units which can be fully tested in the factory, quickly and easily replaced or reassemble on site.



Plug-in cross-connections

- 2 to 10 pole or "continuous" for individual assembly
- Full rated current
- Break-off pole for bypassing other potentials
- Plug-in connectors are also designed for use of cross-connections



Push-on connection

The tensioned steel contact ensures galvanic isolation.

- High contact strength with highly conductive properties

You can find a large selection of plug-in connectors in the "Accessories" chapter.

Secure fixing

All plug-in units can be locked securely to the terminal strip by means of separate locking elements.

Contact reliability

- Maintenance-free connection
- Gas-tight contact area
- 100% vibration-resistant

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	IT 1.5N/4AN/2	ITPE 1.5N/4AN/2
	1.5 mm²	1.5 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 93.5 x 40.7	5.1 x 93.5 x 41.5
max. current / max. cond. cross-section A/mm²	/ 1.5	/ 1.5
max. clamping range mm²	0.21 ... 1.5	0.21 ... 1.5

Technical data

Rated data		IT 1.5N/4AN/2	ITPE 1.5N/4AN/2
		IEC 60947-7-1 / IEC 60352-4	IEC 60947-7-2 / IEC 60352-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	500 / 300 / 300
max. voltage of clamp support & pluggable system	V	690	
Rated current	A	17.5 / 10 / 10	
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16	1.5 / AWG 24... 16 / AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Clamped conductors (H05V/H07V)			
		Rated connection / pluggable connection	Rated connection / pluggable connection
Solid / stranded	mm²	0.21...1.5 / 0.5...4	0.21...1.5 / 0.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.21...1.5 / 0.5...4 / 0.5...2.5	0.21...1.5 / 0.5...4 / 0.5...2.5
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid		IT 1.5N/4AN/2	50	1837250000	ITPE 1.5N/4AN/2	50	1837260000
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QN/1	50	1815190000	ZP 2.5/1AN/QN/1	50	1815190000
	2-pole	ZP 2.5/1AN/QN/2	25	1815200000	ZP 2.5/1AN/QN/2	25	1815200000
	3-pole	ZP 2.5/1AN/QN/3	25	1815210000	ZP 2.5/1AN/QN/3	25	1815210000
	4-pole	ZP 2.5/1AN/QN/4	25	1815220000	ZP 2.5/1AN/QN/4	25	1815220000
	5-pole	ZP 2.5/1AN/QN/5	25	1815230000	ZP 2.5/1AN/QN/5	25	1815230000
	6-pole	ZP 2.5/1AN/QN/6	25	1815240000	ZP 2.5/1AN/QN/6	25	1815240000
	8-pole	ZP 2.5/1AN/QN/8	20	1815260000	ZP 2.5/1AN/QN/8	20	1815260000
	10-pole	ZP 2.5/1AN/QN/10	20	1815280000	ZP 2.5/1AN/QN/10	20	1815280000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608360000				
	3-pole	ZQV 2.5/3	24	60	1608370000				
	4-pole	ZQV 2.5/4	24	60	1608380000				
	10-pole	ZQV 2.5/10	24	20	1608940000				
	20-pole	ZQV 2.5/20	24	20	1908990000				
End plate			width [mm]				width [mm]		
dark beige Wemid		IAP/TW IT1.5N/4AN	2	50	1837270000	IAP/TW IT1.5N/4AN	2	50	1837270000
orange Wemid									
Test adapter									
Standard		ITA 1		25	1803800000	ITA 1		25	1803800000
with spigot		ITA 1/ZA		25	1803810000	ITA 1/ZA		25	1803810000
Miscellaneous accessories, WeiCoS									
Locking element		ZVR ZP2.5		25	1816130000	ZVR ZP2.5		25	1816130000
Coding element		KOSF ZT2.5		50	1816150000	KOSF ZT2.5		50	1816150000
Strain relief		ZZE ZP2.5		25	1816140000	ZZE ZP2.5		25	1816140000
Screwdrivers									
with cutting device "swifty set"		SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Labeling systems (see large assortment in catalogue 7)									
Marking tags		WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

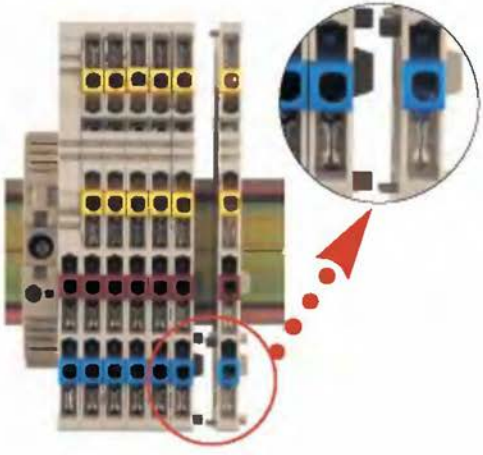
The modular initiator/actuator system with integrated cross-connection – featuring advanced IDC technology

The principle
Two current bars in the individual terminal (or three with separate PE / earth function) are used to provide potentials. They are supplied via a supply terminal and the internal crossconnections Two other current bars act as a feed-through terminal for forwarding signals.

The internal cross-connection
The cross-connections are already integrated within the individual terminals. The female contact is on one side of the terminal and the male contact on the other. The modular design means that variable terminal strips can be created for different applications.

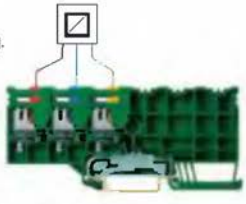
The end plate
End plates enable additional marking of the rows.

The status indication
The signal status can be indicated directly at the terminal.

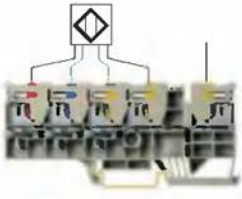


The alternative versions

- **Supply terminal**
Supply made easy with additional options for marking.

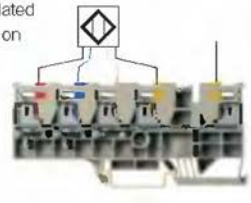


- **Initiator terminal**
Power supply and signal transmission in one terminal; available in a 3- or 4-conductor version.



- **Actuator terminal**
Simple connection of actuators.

- **Initiator terminal with parking position**
For connecting 4L initiators:
The NCC/NOC currently not in use can be connected to the insulated contact, so that rewiring later on is no problem.



When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IEK 1.5N 3L	1.5 mm²	IEK 1.5N 3L PE	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 93 x 51		5.1 x 93 x 51	
max. current / max. conductor	A/mm²	/ 1.5	- +	/ 1.5	- PE
max. clamping range	mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

IEC 60947-7-1 / IEC 60352-4

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

IEC 60947-7-2 / IEC 60352-4

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Electronic fittings	
Diode reverse voltage / Diode current	V / A
voltage LED / current LED / polarity	V / mA / -
Resistor / Varistor	-/V

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.21... 1.5	
Flexible / Flexible with wire end ferrule	mm²	0.21... 1.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	

Electronic fittings	
Diode reverse voltage / Diode current	V / A
voltage LED / current LED / polarity	V / mA / -
Resistor / Varistor	-/V

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.21... 1.5	
Flexible / Flexible with wire end ferrule	mm²	0.21... 1.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	

Ordering data

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IEK 1.5N 3L	25	1801790000
see circuit diagram above	dark beige Wemid (red LED)			
Note				

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IEK 1.5N 3L PE	25	1801800000
see circuit diagram above	dark beige Wemid (red LED)			
Note				

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole				
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
End plate / Partition plate			width [mm]		
	dark beige Wemid	IAP 1.5N 3L	2	20	1801770000
End bracket			width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000
Screwdrivers					
	with cutting device "swifty set"	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves					
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18				
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 10/5			
For detailed information on other accessories and applications see "Accessories"					

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole				
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
End plate / Partition plate			width [mm]		
	dark beige Wemid	IAP 1.5N 3L	2	20	1801770000
End bracket			width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000
Screwdrivers					
	with cutting device "swifty set"	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves					
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18				
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 10/5			
For detailed information on other accessories and applications see "Accessories"					

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IEK 1.5N 4L PE	1.5 mm²	IAK 1.5N 3L	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 112 x 51		5.1 x 93 x 51	
max. current / max. conductor	A/mm²	/ 1.5	+ - PE	/ 1.5	- PE
max. clamping range	mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

		IEK 1.5N 4L PE	IAK 1.5N 3L
Rated data		IEC 60947-7-2 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4
Rated voltage	V	250	250
Rated current	A	t7.5	t0
Rated cross-section	mm²	1.5	1.5
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21... t.5	0.21... t.5
Flexible / Flexible with wire end ferrule	mm²	0.21... t.5	0.21... t.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IEK 1.5N 4L PE	25	1801810000	IAK 1.5N 3L	50	1801820000
see circuit diagram above	dark beige Wemid (red LED)						
Note					Base terminal with LED: IAK 1.5N 3L D: 1801830000		

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable						ZQV 2.5/2	24	60	1608360000
	2-pole					ZQV 2.5/3	24	60	1608370000
	3-pole					ZQV 2.5/4	24	60	1608380000
	4-pole					ZQV 2.5/10	24	20	1608940000
	10-pole					ZQV 2.5/20	24	20	1608960000
	20-/24-pole								
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 1.5N 4L	2	20	1801780000	IAP 1.5N 3L	2	20	1801770000
End bracket			width [mm]				width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IIK 1.5N 3L — 1.5 mm²

5.1 x 93 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
15	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 3L	50	1801840000

Base terminal with LED: IIK 1.5N 3L D/PNP 1801850000, IIK 1.5N 3L D/NPN 1801860000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N 3L	2	20	1801770000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

IIK 1.5N 4L — 1.5 mm²

5.1 x 112 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
15	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 4L	50	1801870000

Base terminal with LED: IIK 1.5N 4L D/PNP 1801880000 IIK 1.5N 3L D/NPN 1801890000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N 4L	2	20	1801780000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

IIK 1.5N 4L PA — 1.5 mm²

5.1 x 112 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
15	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

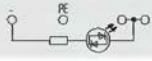
Type	Qty.	Order No.
IIK 1.5N 4L PA	50	1801900000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N 4L	2	20	1801780000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

Initiator and actuator terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IAK 1.5N 3L D	1.5 mm²	IIK 1.5N 3L D/PNP	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 93 x 51		5.1 x 93 x 51	
max. current / max. conductor	A/mm²	/ 1.5		/ 1.5	
max. clamping range	mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

		IAK 1.5N 3L D				IIK 1.5N 3L D/PNP			
Rated data		IEC 60947-7-1 / IEC 60352-4				IEC 60947-7-1 / IEC 60352-4			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300		250	300	300	
Rated current	A	17.5	10	10		17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3				4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A								
voltage LED / current LED / polarity	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		Rated connection	further connection			Rated connection	further connection		
Solid / stranded	mm²	0.21... 1.5				0.21... 1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21... 1.5				0.21... 1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Ordering data

		IAK 1.5N 3L D			IIK 1.5N 3L D/PNP		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IAK 1.5N 3L D	50	1801830000	IIK 1.5N 3L D/PNP	50	1801850000
see circuit diagram above	dark beige Wemid (red LED)						
Note							

Accessories

		IAK 1.5N 3L D				IIK 1.5N 3L D/PNP			
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole								
	3-pole								
	4-pole								
	10-pole								
	20-/24-pole								
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 1.5N 3L	2	20	1801770000	IAP 1.5N 3L	2	20	1801770000
End bracket			width [mm]				width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IIK 1.5N 3L D/NPN — 1.5 mm²

5.1 x 93 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 3L D/NPN	50	1801860000

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 3L	2	20	1801770000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

IIK 1.5N 4L D/PNP — 1.5 mm²

5.1 x 112 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

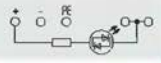
Type	Qty.	Order No.
IIK 1.5N 4L D/PNP	50	1801880000

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 4L	2	20	1801780000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

IIK 1.5N 4L D/NPN — 1.5 mm²

5.1 x 112 x 51
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
	4 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

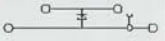
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 4L D/NPN	50	1801890000

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 4L	2	20	1801780000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDK 1.5N/D1	1.5 mm²	IDK 1.5N/D2	1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 54		5.1 x 100 x 54	
max. current / max. conductor	A/mm²	/ 1.5		/ 1.5	
max. clamping range	mm²	0.21 ... 1.5		0.21 ... 1.5	

Technical data

		IDK 1.5N/D1	IDK 1.5N/D2
Rated data		IEC 60947-7-1 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	500 / 300 / 300
Rated current	A	10 / 10 / 15	10 / 10 / 15
Rated cross-section	mm²	1.5 / AWG 24... 16 / AWG 24... 16	1.5 / AWG 24... 16 / AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21... 1.5	0.21... 1.5
Flexible / Flexible with wire end ferrule	mm²	0.21... 1.5	0.21... 1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A	Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Ordering data

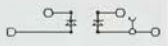
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IDK 1.5N/D1	50	1820030000	IDK 1.5N/D2	50	1820040000
see circuit diagram above	dark beige Wemid (red LED)						
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 1.5N/DK	2	50	1792520000	IAP 1.5N/DK	2	50	1792520000
End bracket			width [mm]				width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

IDK 1.5N/D4 — 1.5 mm²

5.1 x 100 x 54
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500			
10			
1.5	AWG 24... 16	AWG 24... 16	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	Qty.	Order No.
IDK 1.5N/D4	50	1820050000

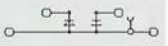
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IDK 1.5N/D5 — 1.5 mm²

5.1 x 100 x 54
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500			
10			
1.5	AWG 24... 16	AWG 24... 16	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	Qty.	Order No.
IDK 1.5N/D5	50	1820060000

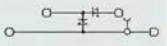
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IDK 1.5N/D6 — 1.5 mm²

5.1 x 100 x 54
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500			
10			
1.5	AWG 24... 16	AWG 24... 16	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.21... 1.5	
0.21... 1.5	
/ 0.6 x 3.5	

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

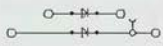
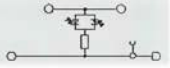
Type	Qty.	Order No.
IDK 1.5N/D6	50	1820070000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDK 1.5N/DX1 1.5 mm²	IDK 1.5N/LD 1.5 mm²
width x length x height with TS 35 x 7.5	mm	5.1 x 100 x 54	5.1 x 100 x 54
max. current / max. conductor	A/mm²	/ 1.5	/ 1.5
max. clamping range	mm²	0.21 ... 1.5	0.21 ... 1.5
			

Technical data

		IDK 1.5N/DX1	IDK 1.5N/LD
Rated data		IEC 60947-7-1 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500	500
Rated current	A	10	10
Rated cross-section	mm²	1.5 AWG 24... 16 AWG 24... 16	1.5 AWG 24... 16 AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.21... 1.5	0.21... 1.5
Flexible / Flexible with wire end ferrule	mm²	0.21... 1.5	0.21... 1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A	Conductor < 0.5 mm² / AWG 24 with IRH 1.5 Current of LED < 5mA

Ordering data

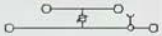
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IDK 1.5N/DX1	50	1820080000	IDK 1.5N/LD 150V	50	1820720000
see circuit diagram above	dark beige Wemid (red LED)						
Note					IDK 1.5N/LD 35V: 1820090000 IDK 1.5N/LD 250V: 1820730000		

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	IAP 1.5N/DK	2	50	1792520000	IAP 1.5N/DK	2	50	1792520000
End bracket			width [mm]				width [mm]		
	dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	1804510000	IRH 1.5		100	1804510000
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Conductor < 0.5 mm² / AWG 24 with IRH 1.5							

IDK 1.5N/S07 K140 — 1.5 mm²

5.1 x 100 x 54
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
115	115	115	
10	10	10	
1 5	AWG 24... 16	AWG 24... 16	
	6 / 3		
	/ V-0		

Rated connection	further connection
0 21... 1.5	
0 21... 1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5
Varistor type S07 K140

Type	Qty.	Order No.
IDK 1.5N/U S07 K140	50	1820110000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
IAP 1.5N/DK	2	50	1792520000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000

WS 10/5

IDU 2.5N/2X2AN/D+ — 2.5 mm²

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500	300	300	
10			
2 5	AWG 20... 14	AWG 20... 14	
	6 / 3		
	/ V-0		

Rated connection	further connection
0 5... 2 5	
0 5... 2 5	
/ 0 6 x 3 5	

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	Qty.	Order No.
IDU 2.5N/2X2AN/D+	50	1821240000

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 2.5N/4AN	2	50	1813070000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000

WS 10/6

IDU 2.5N/2X2AN/D- — 2.5 mm²

6.1 x 105.6 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500	300	300	
10			
2 5	AWG 20... 14	AWG 20... 14	
	6 / 3		
	/ V-0		

Rated connection	further connection
0 5... 2 5	
0 5... 2 5	
/ 0 6 x 3 5	

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	Qty.	Order No.
IDU 2.5N/2X2AN/D-	50	1821250000

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 2.5N/4AN	2	50	1813070000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000

WS 10/6

Additional functions

Weidmüller offers users a full range of accessories for I-Series terminals, providing optimum solutions to every conceivable task – even outside the range of standard functions. All Weidmüller accessories are built to the same quality standards as the terminals themselves.

Visual separation

Page C.44

End plates and partition plates have the function of guaranteeing "finger-touch safety" in terminal strips by preventing finger contact with any conducting parts. In addition, end plates and partition plates are also used for visual separation of circuits.
This visual separation can be enhanced by using coloured end plates.

Labelling and connecting

Chapter F

Weidmüller labelling systems featured in **chapter F** are used to mark IDC terminals.

Weidmüller IDC2 terminals are connected using a standard 0.6 x 3.5 screwdriver. Here our **Swifty®** screwdriver with combined cutting function (see **page F.65**) is a very clever solution.

Fastening

Chapter F

An end bracket is fitted on the mounting rail to the right and left of the terminals to ensure that they sit firmly in position. The marking surface of the end bracket can also be used for group marking. The wide range of Weidmüller end brackets and mounting rails can be found in **Chapter F**.

Electrical supply

Page C.45

Weidmüller IDC2 terminals come with the **ZEI 16** supply terminal. Cross-connections break the current input down into several current outputs. The current is supplied with a conductor cross-section of 16 mm² and then distributed across neighbouring terminals for cross-sectional areas of 1.5 mm² and 2.5 mm².

Electrical distribution

Page C.46

A plug-in **cross-connection system (ZQV)** is supplied for all Weidmüller terminals.
Potential is distributed to any number of terminals simply by plugging the cross-section into the middle of the terminals.

Pluggable terminals ...

Page C.30

... with IDC technology
In its design, the terminals are based on the modular principle. The basic elements of the WeiCoS system consist of one terminal assembly for the functional unit on the mounting rail, and plug-in connectors connecting up the elements (cable harness assembly).

- Quick assembly
- Fully plugged-in functional units possible
- Quick and simple replacement during servicing

Testing

Page C.48

The latching test adapter **(ITA)** is used as a single unit and as a test adapter strip for measurements in control cabinets. The test adapter allows convenient, rational testing of assembled terminals. It is simply latched onto the terminal. This creates contact with the current carrying busbar. The unit is released from the terminal by simply pressing the release button.

Specific functions

Page C.50

For the IDC terminals there are also further accessories available, e.g.

- Pluggable fuse holder (SIHA 3)
- Reducing bush for centring small conductors

End plates/partition plates

End plates are fastened to the open side of the final terminal before the end bracket. The use of end plates maintains both the function of the terminal and the required rated voltage.

The end terminal is safe from finger touch, protecting against shocks from conducting parts.

If cross-connections are shortened, end plates must be used on the bare cut edges of the cross-connection to maintain the rated voltage of 250 V.

Coloured end plates are used to enhance the visual separation between different electric circuits.

Ordering data

Type	Colour	Qty	Order No.	For terminal type
IAP 1.5N	beige	50	1792430000	IDU 1.5N
IAP 1.5N BL	blue	50	1792440000	IDU 1.5N/ZF IDU 1.5N/ZB
IAP 1.5N/3AN	beige	50	1792450000	IDU 1.5N/3AN
IAP 1.5N/3AN BL	blue	50	1792460000	IDU 1.5N/3AN/ZF IDU 1.5N/3AN/ZB ITR 1.5N ITR 1.5N/SI
IAP 1.5N/4AN	beige	50	1792470000	IDU 1.5N/4AN
IAP 1.5N/4AN BL	blue	50	1792480000	ITR 1.5/3AN ITR 1.5/3AN/SI
IAP 1.5N/DIK-ZB	beige	50	1896710000	IDK 1.5N/ZB
	blue	50	1896730000	
IAP 1.5N/DIK	beige	50	1792520000	IDK 1.5N
IAP 1.5N/DIK BL	blue	50	1792530000	IDK 1.5N/V IDK 1.5N/DU-PE
IAP 1.5N 3L	beige	20	1801770000	IAK 1.5N 3L IIK 1.5N 3L
IAP 1.5N 4L	beige	20	1801780000	IIK 1.5N 4L IIK 1.5N 4L PA
IAP 2.5N	beige	50	1813020000	IDU 2.5
IAP 2.5N BL	blue	50	1813030000	IDU 2.5N/ZB IDU 2.5N/ZF
IAP 2.5N/3AN	beige	50	1813040000	IDU 2.5N/3AN
IAP 2.5N/3AN BL	blue	50	1813050000	ITR 2.5N ITR 2.5N/SI
IAP 2.5N/4AN	beige	50	1813070000	IDU 2.5N/4AN
IAP 2.5N/4AN BL	blue	50	1813080000	

ZEI 16 supply terminal

The **ZEI 16** supply terminal is capable of taking conductor cross-sectional areas of up to 25 mm². Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

Cross-connection to ITR 1.5N/3AN with QVAR 1 (cross-connection adapter)

Power supply with the IEPL feed plate

Supply options and corresponding cross-connections

Supply terminals \ Output terminals	IDU 1.5N	IDU 1.5N/3AN	IDU 1.5N/4AN	IDU 2.5N	IDU 2.5N/3AN	IDU 2.5N/4AN		ITR 1.5N	ITR 1.5N/3AN	ITR 2.5N
right										
left										
ZDU 4	x[1]	x	x	x[1]	x	x		x	x[2]	x
ZDU 4 / 3 AN	x[1]	x[1]	x[1]	x[1]	x[1]	x[1]		x[1]	x[2]	x[1]
ZDU 4 / 4 AN	x[1]	x[1]	x[1]	x[1]	x[1]	x		x[1]	x[2]	x[1]
ZDU 6	x[1]	x	x	x	x	x		x	x[2]	x
ZDU 6 / 3 AN	x[1]	x[1]	x[1]	x[1]	x[1]	x[1]		x[1]	x[2]	x[1]
ZEI 16	x	x	x	x	x	x		x	x[2]	x

Supply terminals \ Output terminals	IDU 1.5N	IDU 1.5N/3AN	IDU 1.5N/4AN	IDU 2.5N	IDU 2.5N/3AN	IDU 2.5N/4AN		ITR 1.5N	ITR 1.5N/3AN	ITR 2.5N
left										
right										
ZDU 4	x[1]	x[1]	x[1]	x[1]	x[1]	x[1]		x[1]	x[2]	x[1]
ZDU 4 / 3 AN	x	x[1]	x[1]	x	x[1]	x[1]		x[1]	x[2]	x[1]
ZDU 4 / 4 AN	x	x	x	x	x	x[1]		x	x[2]	x
ZDU 6	x	x[1]	x[1]	x	x[1]	x[1]		x[1]	x[2]	x[1]
ZDU 6 / 3 AN	x	x[1]	x[1]	x	x[1]	x[1]		x[1]	x[2]	x[1]
ZEI 16	x	x[1]	x[1]	x	x[1]	x[1]		x[1]	x[2]	x[1]

x[1] with IEPL, x[2] with QVAR

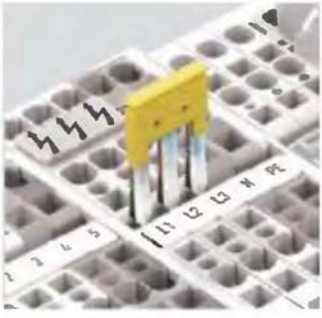
Ordering data

Type	Colour	Qty	Order No.
ZEI 16	dark beige	20	1745350000
ZEI 16 BL	blue	20	1766240000
IEPL	dark beige	20	1859570000
QVAR1	dark beige	20	1836370000

Maximum possible current I_{max}

Output terminals	Cross-connection	Supply conductor cross-sectional area	Supply **left or right**	Supply **middle**
IDU 1.5N	**ZQV 2.5**	25 mm²	62 A	95 A
IDU 2.5N	**ZQV 4**	25 mm²	82 A	101 A

Plug-in cross-connection ZQV



The time-saving, easy-to-use cross-connection combs for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and ZQV2.5/20 – continuous (20-pole)
- **ZQV 4** as 2- to 10-pole combs and ZQV4/20 – continuous (20-pole)

These versions come with complete shock protection. However, please note that the rated voltage is reduced to 400 V when using cross-connections.

This does not apply to terminals with a rated voltage below 500 V. Here the rated voltage of the used terminal is mandatory (e.g. terminal types ITR 1.5N and ITR 2.5N).

Breaking out contact elements
Breaking out one or more (max. 60%) contact elements from cross-connections enables certain terminals to be bypassed to suit the application.

Fitting and changing cross-connection
The fitting and changing of cross-connections is a trouble-free and fast operation:
– Insert the cross-connection into the cross-conn. channel in the terminal...

...and press it fully home.
(The cross-connection may not project from the channel.)

– Remove a cross-connection by simply prising it out with a screwdriver.

Shortening cross-connections
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 900217). However, three contact elements must always be retained.

Caution:
Contact elements must not be deformed!

If a cross-connection is shortened, end plates or partition plates (ZAP/TW) must be used to maintain the rated voltage of 250 V (fitted to the bare cut edges of the cross-connection).

Tailor-made cross-connections

ZQV 2.5/50 is a cross-connection which can be used for connecting up to 20 individual terminals easily and quickly. The fitter simply cuts off the required number of poles from the 20-pole cross-connection comb. With this system, cross-connections with the correct number of poles are always available and only a minimum of storage space is required.
The large number of poles in the 20-pole comb means that unused residual quantities are virtually avoided. The ends of the continuous cross-connection are bare.
In the interests of stability, 2-pole cross-connections are not permitted. An end plate must always be fitted to neighbouring ZQVs with bare cut edges. With the ZDU 2.5 and WDU 2.5N it is sufficient to fit the ZQV in the offset position. The rated voltage is 400 V.

ZQV 2.5

Type	Qty	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	10	1608960000
For terminal type		
IDU 1.5N...		
IDK 1.5N..		
ITR 1.5N..		
ITR 1.5N/SL		
IT 1.5N/4 AN/2		
IAK 1.5N 3L		
IIK 1.5N 3L		
IIK 1.5N 4L		
IIK 1.5N 4L PA		

ZQV 4

Type	Qty	Order No.
ZQV 4/2	60	1608950000
ZQV 4/3	60	1608960000
ZQV 4/4	60	1608970000
ZQV 4/5	20	1608980000
ZQV 4/6	20	1608990000
ZQV 4/7	20	1609000000
ZQV 4/8	20	1609010000
ZQV 4/9	20	1609020000
ZQV 4/10	20	1609030000
ZQV 4/20	20	1909010000
For terminal type		
IDU 2.5N...		
ITR 2.5N..		
ITR 2.5N/SL..		

IRH

Reducing sleeves

Reducing sleeves are used to make it easier to connect conductors with smaller cross-sectional areas. The reducing sleeve centres the conductor in the middle of the IDC2 contact.

Type	Qty	Order No.
IRH 1.5	100	1804510000
for terminals IDU 1.5		
IRH 2.5	100	1848230000
for terminals IDU 2.5N		

Test adapter

The ITA slot-in test adapter is used as both a single unit and a test adapter strip for measurements in switchgear cabinets.

Conductors with cross-sectional areas ranging from 0.5 mm² to 1.0 mm² can be clamped. The test adapter is simply slotted into the terminal, creating secure contact with the current carrying busbar. This connection is released again by simply pressing the release button.

Test plug

There is a test point for the PS 2.3 test plug in some terminals of the I-Series. For quick measurements, simply insert the test plug into the opening provided.

This is different from the test adapter in that the test plug does not slot into the terminal.

ITA 1

Dimensions		
Height	mm	76
Length	mm	27
Modular width	mm	5.1
Stripping length	mm	6.0
Rated voltage / current / cross-section		
IEC 60 947-7-1		500 V / 12 A / 1.0 mm²
Clamping conductor		
Solid	mm²	0.5 ... 1.0
Flexible	mm²	0.5 ... 1.0
Torque	Nm	0.4

Ordering data	Qty	Order No.
1-pole	25	1803300000
with clip-in pivot	25	1803310000

For terminal type
IDU 1.5N...
IDK 1.5N..
ITR 1.5N..
ITR 1.5N/SI
IT 1.5N/4 AN/2

ITA 2

Dimensions		
Height	mm	76
Length	mm	27
Modular width	mm	6.1
Stripping length	mm	6.0
Rated voltage / current / cross-section		
IEC 60 947-7-1		500 V / 12 A / 1.0 mm²
Clamping conductor		
Solid	mm²	0.5 ... 1.0
Flexible	mm²	0.5 ... 1.0
Torque	Nm	0.4

Ordering data	Qty	Order No.
ITA 2	25	1821210000
ITA 2 / ZA	25	1821220000

For terminal type
IDU 2.5N..
ITR 2.5N..
ITR 2.5N/SI

PS 2.3

Plug diameter 2.3 mm

Ordering data	Qty	Order No.
PS 2.3 RD	20	0180400000

For terminal type
ITR 1.5N
ITR 1.5N/3 AN
ITR 2.5N

Marking / Covering

The VDE regulations stipulate that mains connection terminals have to be covered.

For this purpose Weidmüller provides yellow covers printed with a warning arrow.

The covers slot into the screwdriver opening of the terminal, and are available in 4-pole terminal units.

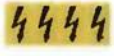
IAD 1/4

Type	Qty	Order No.
IAD 1/4	20	1805500000
IAD 1/4 blank	20	1818420000

For terminal type
IDU 1.5N...
IDK 1.5N..
ITR 1.5N..
ITR 1.5N/SI

IT 1.5N/4 AN/2
IAK 1.5N.3L
IIK 1.5N.3L
IIK 1.5N.4L
IIK 1.5N.4L PA

IAD 2/4



Type	Qty	Order No.
IAD 2/4	20	1828420000
IAD 2/4 blank	20	1828430000

For terminal type
IDU 2.5N...
ITR 2.5N..
ITR 2.5N/SI

This tag carrier was specially conceived for the I-Series IDK 1.5N double level terminal.
The flexible hinge mechanism allows cross-connections to be readily connected or disconnected. It can be fitted with four DEK 5 tags or two WS 10/5 Middle connector markers.

Snap Mark

Technical data	
Material	Polyamide
Flammability class to UL94	V-2
Temperature range	-40°C... 100°C
Colour	white

Type	Length / Width [mm]	Qty	Order No.
Snap Mark I	23.0	50	1805830000

SIHA fuse holder

For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.
Simply remove the disconnect lever and insert the fuse plug.

- Simple handling without tools
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23°C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

1. Open fuse holder with fingers or screwdriver

2. Press out old fuse

3. Position new fuse

4. Press fuse holder together again

SIHA 3

	Qty	Order No.
without LED		
SIHA3/G20		
400 V	1	7921560000
with LED (red)		
SIHA3/G20		
10 - 36 V	1	7921570000
35 - 70 V	1	7921580000
60 - 150 V	1	7921590000
140 - 250 V	1	7921600000

For terminal type

ITR 1.5 N
ITR 1.5 N/3 AN
ITR 2.5 N

SIHA STRAP

	Qty	Order No.
with strap		
SIHA STRAP		
20		9537630000

Connector for retro-fit assembly

- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either on the left or on the right

Cartridge fuses and gauge pieces for Weidmüller fuse terminals and SIHA 3 fuse holder

Cartridge fuses

For terminal type
ITR 1.5/SI
ITR 1.5/3AN/SI
ITR 2.5/SI

Technical data / Ordering data

G-type cartridge fuses 5 x 20 without indicators to IEC 60127-2 (VDE 0820 pt 2)

Size (mm)	Nom. voltage (V)	Nom. current (A)	Type		Qty	Order No.
5 x 20 breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0.7)	250	0.1	(F)	G 20/0.10A/F	10	0430000000
		0.2	(F)	G 20/0.20A/F	10	0430400000
		0.25	(F)	G 20/0.25A/F	10	0430500000
		0.5	(F)	G 20/0.50A/F	10	0430600000
		0.63	(F)	G 20/0.63A/F	10	0430900000
		1.0	(F)	G 20/1.00A/F	10	0430700000
		1.6	(F)	G 20/1.60A/F	10	0430800000
		2.0	(F)	G 20/2.00A/F	10	0431000000
		2.5	(F)	G 20/2.50A/F	10	0431000000
		3.15	(F)	G 20/3.15A/F	10	0431100000
		4.0	(F)	G 20/4.00A/F	10	0431200000
		5.0	(F)	G 20/5.00A/F	10	0431300000
		6.3	(F)	G 20/6.30A/F	10	0431400000

(M) = medium-blow (F) = fast-blow

Component/isolating plugs

The Weidmüller philosophy is to realise a multitude of applications with just a few parts. The component and isolating plugs (BEST and TNST) represent a logical extension of this cost-effective and efficient approach. The component plug can accommodate electronic components and connect them to the terminal. And once an isolating plug is removed, the clamping point is obviously disconnected. The opening is easy to recognise.

An unintentional reconnection of the circuit is prevented by simply removing the isolating plug. The BEST and the TNST have the same pin arrangement. Both plugs are also identical with the SIHA 3 fuse holder, meaning that they can be used in all the "disconnecting products" of the W-, Z-, I- and P-Series.

Component plug (up to 250 V)

can be reversed

Ordering data

Type	Fitted with...	Qty	Order No.
BEST	-	25	1833100000
BEST/ DRBR	wire jumper	25	1878570000
BEST/D	diode 1N4007	25	1878560000
For terminal type			
ITR 1.5 w/o TNHE lever			
ITR 2.5 w/o TNHE lever			

Isolating plug

Isolating plug

Ordering data

Type	Colour	Qty	Order No.
TNST	yellow Wemid	25	1833090000
For terminal type			
ITR 1.5 w/o TNHE lever			
ITR 2.5 w/o TNHE lever			

Terminals, Z-Series

Terminals, Z-Series

Overview Z-Series	D.2
Feed-through terminals	D.4
Modular PE terminals	D.18
Double/Multi level terminals	D.30
Modular disconnect terminals	D.44
Fuse terminals	D.48
Installation terminals	D.52
Pluggable standard terminals WeiCoS	D.72
Modular distribution assembly system / Initiator and actuator terminals	D.94
Mini terminals	D.98
Terminals with electronic components	D.106
Disconnect test terminals	D.114
Accessories Z-Series	D.116

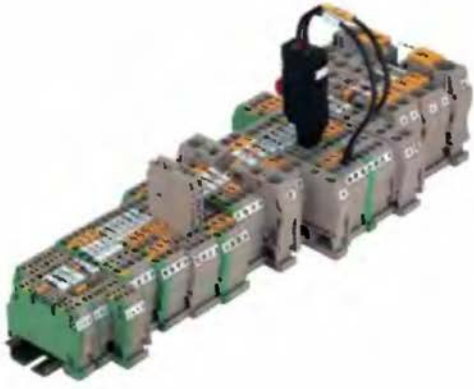
Z-Series / Tension clamp connection

Modular terminals with tension clamp connections – the Z-Series – were specially designed to meet customers' requirements:

Compact size, generous marking surfaces, integral test point, cross-connection options within the Z-Series and to other Weidmüller modular terminals.

The Z-Series terminals have a wide clamping range and can accommodate one or two cross-connection channels.

The plug-in standard cross-connections enable potentials to be distributed over any number of terminals.



Versions

Z-Standard

- Conductor cross-sections from 0.13 to 16 mm²
- Top-entry conductor insertion parallel with screwdriver operation

Z-Roof

- Conductor cross-sections from 0.13 to 16 mm²
- Length reduced by up to 36 %
- Conductor and screwdriver inserted at an angle

Product overview

Rated cross-section	1.5 mm²		2.5 mm²		4 mm²		6 mm²		10 mm²		16 mm²		35 mm²	
	Standard	Roof	Standard	Roof	Standard	Roof	Standard	Roof	Standard	Roof	Standard	Roof	Standard	Roof
Feed-through terminals														
2 connectors	•		•	•	•	•	•	•	•		•	•	•	
3 connectors	•		•	•	•	•	•	•	•		•			
4 connectors	•		•	•	•	•								
2 x 2 connectors	•		•											
PE terminals														
2 connectors	•		•	•	•	•	•	•	•		•	•	•	
3 connectors	•		•	•	•	•	•	•	•		•			
4 connectors	•		•	•	•	•								
Fuse terminal			•	•				•						
Disconnect test terminals			•	•			•							
Supply terminals							•				•	•		
N-conductor terminals				•		•		•		•		•	•	
Double level terminal	•		•	•		•		•						
3-conductor/distribution terminals				•										
Pluggable terminals			•		•									
Miniature block terminals			•											
Initiator/Actuator terminals			•											
Terminals with electronic components			•	•		•								

1 The connection

In accordance with the Weidmüller contact principle, the electrical and mechanical functions are also kept separate in the tension clamp connection system, thus ensuring galvanic isolation.

- Tension clamp made from high-quality stainless steel for optimum contact forces
- Copper current bar for minimum through resistance.

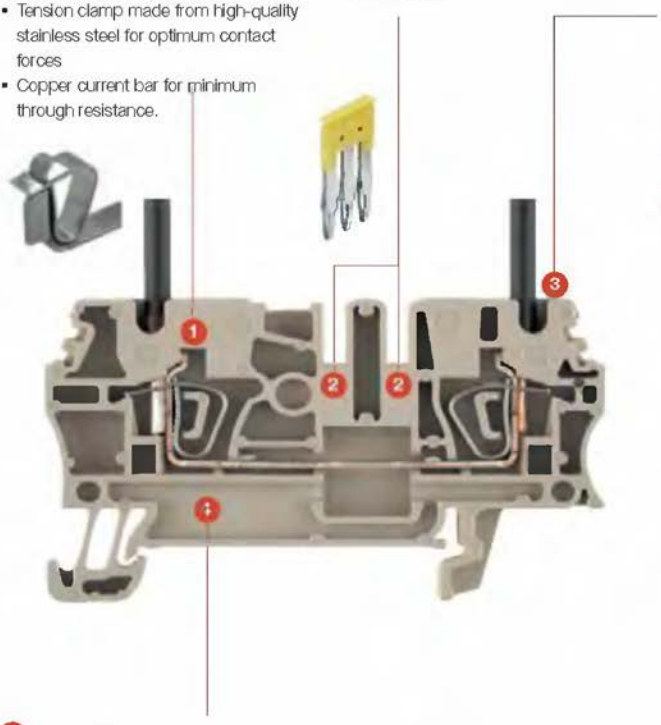
2 Plug-in cross-connections

- 2- to 10-pole, or "continuous" for custom assemble.
- Full rated current
- Breakout poles for bypassing other connections.

3 Easy to use

Practical connection thanks to parallel insertion of conductor and screwdriver.

- TOP connection system
- No special tools required
- Integral test point.



The Wemid insulating material

- Non-tracking, CTI 600
- Thermally stable up to 120 °C
- V0 flammability class to UL 94
- Free from halogen and phosphor flame-retardant substances

Clarity means reliability

- Easy to use thanks to generous clamping space to IEC 60947-1
- Suitable for connecting conductors from 0.08 to 35 mm²
- For clamping one conductor per clamping point to IEC 60999

4 Reliable contact

- Maintenance-free connection for reliable contact throughout the lifetime of the terminal
- Gas-tight contact zone
- Surface of current bar treated to prevent oxidation
- Absolutely 100 % vibration-resistant.
- High contact forces

Comprehensive accessories

- Test adapter, test plug
- Can be used with standard and group markers
- End plates / partition plates
- Covers
- Reducing sleeves

Standards and directives

The reliable contact and dependability of the Weidmüller systems are verified by:

- Type tests to IEC 60947-7-1/-2/-3 standards
- Supplementary Weidmüller test regimes
- National and international approvals
- ATEX approval

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 1.5	ZDU 1.5/3 AN
	1.5 mm²	1.5 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	3.5 x 51.5 x 37	3.5 x 63.5 x 37
max. current / max. cond. cross-section A/mm²	17.5 / 1.5	17.5 / 1.5
max. clamping range mm²	0.05 ... 1.5	0.05 ... 1.5

Technical data

	ZDU 1.5	ZDU 1.5/3 AN
Rated data	IEC 60947-7-1 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 — Ex e II (Ex) II 2 G D
IEC	500	500
UL	300	300
CSA	300	300
EN 60079-7	550	550
Rated voltage V	175	175
Rated current A	15	15
Rated cross-section mm²	20	20
Rated impulse withstand voltage / Pollution severity kV/-	15	15
Gauge to IEC 60947-1 / UL94 Flammability class	1.5	1.5
Approvals	AWG 30... 14	AWG 30... 14
	AWG 26... 14	AWG 26... 14
	6 / 3	6 / 3
	B1 / V-0	B1 / V-0
	KEMA 01ATEX2106 U	KEMA 01ATEX2106 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5... 1.5	0.5... 1.5
Flexible / Flexible with wire end ferrule mm²	0.5... 1.5 / 0.5... 1.5	0.5... 1.5 / 0.5... 1.5
Tightening torque range (clamping screw) Nm	0.4	0.4
Stripping length / Blade size mm / -	10 / 0.4 x 2.0	10 / 0.4 x 2.0
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDU 1.5	100	1775480000	ZDU 1.5/3AN	100	1775580000
blue Wemid	ZDU 1.5 BL	100	1775490000	ZDU 1.5/3AN BL	100	1775540000
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 1.5/2	17.5	60	1776120000	ZQV 1.5/2	17.5	60	1776120000
3-pole	ZQV 1.5/3	17.5	60	1776130000	ZQV 1.5/3	17.5	60	1776130000
4-pole	ZQV 1.5/4	17.5	60	1776140000	ZQV 1.5/4	17.5	60	1776140000
10-pole	ZQV 1.5/10	17.5	20	1776200000	ZQV 1.5/10	17.5	20	1776200000
20-/24-pole								
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW ZDU1.5/2AN	2	20	1776030000	ZAP/TW ZDU1.5/3AN	3.5	20	1776060000
blue Wemid	ZAP/TW ZDU1.5/2AN BL	2	20	1776040000	ZAP/TW ZDU1.5/3AN BL	3.5	20	1776070000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard	ZTA 5		25	1776210000	ZTA 5		25	1776210000
with spigot	ZTA 5/ZA		25	1776220000	ZTA 5/ZA		25	1776220000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.4x2.0x60		1	9037160000	SD 0.4x2.0x60		1	9037160000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20	ZRH 1.5S/1		500	1781950000	ZRH 1.5S/1		500	1781950000
for conductors < 1.0 mm / AWG 18	ZRH 1.5S/2		500	1781960000	ZRH 1.5S/2		500	1781960000
Cover								
with lightning flash symbol	ZAD 7/4		20	1781940000	ZAD 7/4		20	1781940000
blank								
Labelling systems (see large size x format in catalogue 7)								
Marking tags	DEK 5/3,5 / WS 12/3,5				DEK 5/3,5 / WS 12/3,5			
For detailed information on other accessories and applications see "Accessories"								

ZDU 1.5/4 AN — 1.5 mm²

Four connections

3.5 x 75.5 x 37
17.5 / 1.5
0.05 ... 1.5

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 30... 14	AWG 26... 14	1.5
6 / 3			
B1 / V-0			
KEMA 01ATEX2106 U			

Rated connection	further connection
0.5... 1.5	
0.5... 1.5 / 0.5... 1.5	
10 / 0.4 x 2.0	

Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

Type	Current [A]	Qty.	Order No.
ZQV 1.5/2	17.5	60	1776120000
ZQV 1.5/3	17.5	60	1776130000
ZQV 1.5/4	17.5	60	1776140000
ZQV 1.5/10	17.5	20	1776200000
	width [mm]		
ZAP/TW ZDU1.5/4AN	3.5	20	1776090000
ZAP/TW ZDU1.5/4AN BL	3.5	20	1776100000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SD 0.4x2.0x60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZRH 1.5S/2		500	1781960000
ZAD 7/4		20	1781940000

DEK 5/3,5 / WS 12/3,5

ZDU 1.5 2x2AN — 1.5 mm²

2 x 2 connections

3.5 x 75.5 x 37
17.5 / 1.5
0.05 ... 1.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	15	20	
1.5	AWG 30... 14	AWG 26... 14	
6 / 3			
B1 / V-0			

Rated connection	further connection
0.5... 1.5	
0.5... 1.5 / 0.5... 1.5	
10 / 0.4 x 2.0	

Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000
ZDU 1.5/2X2AN BL	100	1826990000

Type	Current [A]	Qty.	Order No.
ZQV 1.5/2	17.5	60	1776120000
ZQV 1.5/3	17.5	60	1776130000
ZQV 1.5/4	17.5	60	1776140000
ZQV 1.5/10	17.5	20	1776200000
	width [mm]		
ZAP/TW ZDU1.5/4AN	3.5	20	1776090000
ZAP/TW ZDU1.5/4AN BL	3.5	20	1776100000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SD 0.4x2.0x60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZRH 1.5S/2		500	1781960000
ZAD 7/4		20	1781940000

DEK 5/3,5 / WS 12/3,5

ZEI 6 — 6 mm²

Supply terminal

10 x 65 x 45.5
57 / 10
0.5 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
8 / 4			
A5 / V-0			

Rated connection	further connection
0.5... 10	
0.5... 10 / 0.5... 6	
13 / 1.0 x 5.5	

Twin wire end ferrules ZH 0.5 - ZH 2.5 can be used.

Type	Qty.	Order No.
ZEI 6	20	1791190000

End plate is integrated

Type	Current [A]	Qty.	Order No.
ZQV 1.5/2	17.5	60	1776120000
ZQV 1.5/3	17.5	60	1776130000
ZQV 1.5/4	17.5	60	1776140000
ZQV 1.5/10	17.5	20	1776200000
	width [mm]		
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 3 ZDU6		25	1654050000
SD 0.8x4.0x100		1	9008340000
ZAD 3/4		20	1609120000

DEK 8 / WS 12/5

The plug-in cross-connectors ZQV 1.5/ ...can be used. The rated voltage is reduced to 400 V or the rated voltage of the distribution terminals.

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 2.5	ZDU 2.5/3AN
	2.5 mm²	2.5 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	5.1 x 59.5 x 39.5	5.1 x 64.5 x 39.5
max. current / max. cond. cross-section A/mm²	31 / 4	31 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4

Technical data

	ZDU 2.5	ZDU 2.5/3AN
	IEC 60947-7-1 Ex e II Ex II 2 G D	IEC 60947-7-1 Ex e II Ex II 2 G D
IEC	800	800
UL	600	600
CSA	600	600
EN 60079-7	550	550
	24	24
	25	25
	27	23
	21	21
	2.5	2.5
	AWG 30... 12	AWG 30... 12
	AWG 26... 12	AWG 26... 12
	2.5	2.5
	8 / 3	8 / 3
	A3 / V-0	A3 / V-0
	KEMA 97ATEX2521 U	KEMA 97ATEX2521 U
Rated data		
Rated voltage V		
Rated current A		
Rated cross-section mm²		
Rated impulse withstand voltage / Pollution severity kV/-		
Gauge to IEC 60947-1 / UL94 Flammability class		
Approvals		
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm		
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDU 2.5	100	1608510000	ZDU 2.5/3AN	100	1608540000
blue Wemid	ZDU 2.5 BL	100	1608520000	ZDU 2.5/3AN BL	100	1608550000
Note	The rated voltage is reduced to 400 V when using the cross-connection			The rated voltage is reduced to 400 V when using the cross-connection		

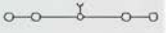
Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608860000	ZQV 2.5/2	24	60	1608860000
3-pole	ZQV 2.5/3	24	60	1608870000	ZQV 2.5/3	24	60	1608870000
4-pole	ZQV 2.5/4	24	60	1608880000	ZQV 2.5/4	24	60	1608880000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW 1	2	50	1608740000	ZAP/TW 2 DB	2	50	1608770000
blue Wemid	ZAP/TW 1 BL	2	50	1608750000	ZAP/TW 2 BL	2	50	1608780000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard	ZTA 1		25	1609040000	ZTA 1		25	1609040000
with spigot	ZTA 1/ZA		25	1609050000	ZTA 1/ZA		25	1609050000
Screwdrivers								
with cutting device "swiftly set" Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20	ZRH 2.5/1 WS		1000	1614300000	ZRH 2.5/1 WS		1000	1614300000
for conductors < 1.0 mm / AWG 18	ZRH 2.5/2 GR/VO		1000	1614290000	ZRH 2.5/2 GR/VO		1000	1614290000
Cover								
with lightning flash symbol	ZAD 1/4		20	1609110000	ZAD 1/4		20	1609110000
blank								
Labelling systems (see large size format in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

ZDU 2.5/4AN — 2.5 mm²

Four connections

5.1 x 79.5 x 39.5
27 / 4
0.05 ... 4



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	23	21
2.5	AWG 30... 12	AWG 26... 12	2.5
	8 / 3		
	A3 / V-0		
			KEMA 97ATEX2521 U

Rated connection	further connection
0.5...4	
0.5...4 / 0.5... 2.5	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW 3	2	50	1608800000
ZAP/TW 3 BL	2	50	1608810000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5 / WS 10/5			

ZDU 2.5/2x2AN — 2.5 mm²

Two potentials feasible

5.1 x 79.5 x 39.5
30 / 4
0.05 ... 4

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
24	25	27	21
2.5	AWG 30... 12	AWG 26... 12	2.5
	8 / 3		
	A3 / V-0		
			KEMA 97ATEX2521 U

Rated connection	further connection
0.5...4	
0.5...4 / 0.5... 2.5	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP/TW 3	2	50	1608800000
ZAP/TW 3 BL	2	50	1608810000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5 / WS 10/5			

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 4	ZDU 4/3 AN
	4 mm²	4 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	6 x 62 x 43.5	6 x 83.35 x 43.5
max. current / max. cond. cross-section A/mm²	41 / 6	41 / 6
max. clamping range mm²	0.13 ... 6	0.13 ... 6

Technical data

	ZDU 4	ZDU 4/3 AN
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II (Ex) II 2 G D	Ex e II (Ex) II 2 G D
Rated data		
Rated voltage V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current A	32 / 33 / 35 / 28	32 / 33 / 35 / 28
Rated cross-section mm²	4 AWG 26... 10 / AWG 25... 10 / 4	4 AWG 26... 10 / AWG 26... 10 / 4
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0	A4 / V-0
Approvals	KEMA 97ATEX2521 U	KEMA 00ATEX2107 U
Clamped conductors (H05V-U/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with wire end ferrule mm²	0.5...6 / 0.5...4	0.5...6 / 0.5...4
Tightening torque range (clamping screw) Nm	1.2 / 0.6 x 3.5	1.2 / 0.6 x 3.5
Stripping length / Blade size mm / -		
Note	When using twin wire end ferrules, the rated voltage is 630 V.	When using twin wire end ferrules, the rated voltage is 630 V.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDU 4	100	1632050000	ZDU 4/3AN	50	7904180000
blue Wemid	ZDU 4 BL	100	1632060000	ZDU 4/3AN BL	50	7904190000
Note						

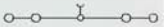
Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608960000	ZQV 4/2 GE	32	60	1608960000
3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1609010000	ZQV 4/20 GE	32	20	1609010000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW 4	2	50	1632090000	ZAP/TW4/3AN	2	20	7904100000
blue Wemid	ZAP/TW 4 BL	2	50	1632100000	ZAP/TW 4/3AN BL	2	50	7904110000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard	ZTA 2 ZDU4		25	1609060000	ZTA 2 ZDU4		25	1609060000
with spigot	ZTA 2/ZA ZDU4		25	1609070000	ZTA 2/ZA ZDU4		25	1609070000
Screwdrivers								
with cutting device "swiftly set" Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20	ZRH 4/1 WS		1000	1636640000	ZRH 4/1 WS		1000	1636640000
for conductors < 1.0 mm / AWG 18	ZRH 4/2		1000	1636650000	ZRH 4/2		1000	1636650000
Cover								
with lightning flash symbol	ZAD 2/4		20	1609080000	ZAD 2/4		20	1609080000
blank								
Labelling systems (see large size format in catalogue 7)								
Marking tags	DEK 6 / WS 10/6				DEK 6 / WS 12/6			
For detailed information on other accessories and applications see "Accessories"								

ZDU 4/4 AN — 4 mm²

Four connections

6 x 104.35 x 43.5
41 / 6
0.13 ... 6



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26... 10	AWG 26... 10	4
8 / 3			
A4 / V-0			
KEMA 00ATEX2107 U			

Rated connection	further connection
0.5...6 / 0.5...6	
0.5...6 / 0.5...4	

12 / 0.6 x 3.5

When using twin wire end ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608960000
ZQV 4/3 GE	32	60	1608980000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP/TW4/4AN	2	20	7904210000
ZAP/TW4/4AN BL	2	50	7904220000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SD 0.6x3.5x100		1	9008330000
ZRH 4/1 WS		1000	1636640000
ZRH 4/2		1000	1636650000
ZAD 2/4		20	1609080000

DEK 6 / WS 12/6

ZDU 6 — 6 mm²

Two connections

8 x 65 x 45.6
57 / 10
0.21 ... 10

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22... 8	AWG 20... 8	6
8 / 3			
A5 / V-0			
KEMA 97ATEX2521 U			

Rated connection	further connection
0.5...10	
0.5...10 / 0.5...6	

13 / 1.0 x 5.5

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1903990000
	width [mm]		
ZAP/TW 5	2	50	1608830000
ZAP/TW 5 BL	2	50	1608840000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 3 ZDU6		25	1654050000
SD 1.0x5.5x150		1	9008350000
ZAD 3/4		20	1609120000

DEK 8 / WS 12/6

Twin wire end ferrules ZH 0.5 - ZH 2.5 can be used.

ZDU 6/3 AN — 6 mm²

Three connections

8 x 90 x 45.6
57 / 10
0.21 ... 10

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22... 8	AWG 20... 8	6
8 / 3			
A5 / V-0			
KEMA 00ATEX2107 U			

Rated connection	further connection
0.5...10	
0.5...10 / 0.5...6	

13 / 1.0 x 5.5

Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1903990000
	width [mm]		
ZAP/TW6/3AN	2	20	7907370000
ZAP/TW6/3AN BL	2	20	7907380000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 3 ZDU6		25	1654050000
SD 1.0x5.5x150		1	9008350000
ZAD 3/4		20	1609120000

DEK 8 / WS 12/6

Twin wire end ferrules ZH 0.5 - ZH 2.5 can be used.

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 10	ZDU 10/3AN
	10 mm²	10 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	10 x 73.5 x 50.5	10 x 99 x 50.5
max. current / max. cond. cross-section A/mm²	72 / 16	57 / 16
max. clamping range mm²	1.31 ... 16	1.31 ... 16

Technical data

	ZDU 10	ZDU 10/3AN
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II (Ex) II 2 G D	Ex e II (Ex) II 2 G D
Rated data		
Rated voltage V	IEC 1000 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current A	57 / 60 / 55 / 50	57 / 60 / 55 / 50
Rated cross-section mm²	10 / AWG 16... 6 / AWG 16... 6 / 10	10 / AWG 16... 6 / AWG 16... 6 / 10
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A6 / V-0	A6 / V-0
Approvals	KEMA 99ATEX5514 U	KEMA 00ATEX2107 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	1.5... 16 / 1.5... 16	1.5... 16 / 1.5... 16
Flexible / Flexible with wire end ferrule mm²	1.5... 10 / 1.5... 10	1.5... 10 / 1.5... 10
Tightening torque range (clamping screw) Nm	1.8 / 1.0 x 5.5	1.8 / 1.0 x 5.5
Stripping length / Blade size mm / -		
Note		

Ordering data

Version	ZDU 10	ZDU 10/3AN
	Type / Qty. / Order No.	Type / Qty. / Order No.
dark beige Wemid	ZDU 10 / 25 / 1746750000	ZDU 10/3AN / 20 / 1767690000
blue Wemid	ZDU 10 BL / 25 / 1746760000	ZDU 10/3AN BL / 20 / 1767700000
Note		

Accessories

Cross-connection, pluggable	ZDU 10	ZDU 10/3AN
	Type / Current [A] / Qty. / Order No.	Type / Current [A] / Qty. / Order No.
2-pole	ZQV 10/2 / 57 / 25 / 1739680000	ZQV 10/2 / 57 / 25 / 1739680000
3-pole		
4-pole		
10-pole		
20-/24-pole		
End plate / Partition plate	width [mm]	width [mm]
dark beige Wemid	ZAP/TW ZDU10 / 2.7 / 20 / 1748660000	ZAP/TW 10/16 / 3 / 20 / 1749580000
blue Wemid	ZAP/TW ZDU10 BL / 2.7 / 20 / 1764110000	ZAP/TW 10/16 BL / 3 / 20 / 1768520000
End bracket	width [mm]	width [mm]
dark beige Wemid	ZEW 35 / 6 / 20 / 9540000000	ZEW 35 / 6 / 20 / 9540000000
Test adapter		
For testing wired terminal strips Standard		
with spigot		
Screwdrivers		
with cutting device "swiftly set"		
Standard	SD 1.0x5.5x150 / 1 / 9008350000	SD 1.0x5.5x150 / 1 / 9008350000
Reducing sleeves		
for conductors < 0.5 mm / AWG 20		
for conductors < 1.0 mm / AWG 18		
Cover		
with lightning flash symbol	ZAD 4/5 / 20 / 1746730000	ZAD 4/5 / 20 / 1746730000
blank		
Labelling systems (see large selection in catalogue 7)		
Marking tags	DEK 5 / WS 12/5	DEK 5 / WS 12/5
For detailed information on other accessories and applications see "Accessories"	Cross-connection of ZDU 10 and ZDU 16 is possible with ZQV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible with ZQV 35-10.	Cross-connection of ZDU 10 and ZDU 16 is possible with ZQV 16-10 Cross connection of ZDU 10 and ZDU 35 is possible with ZQV 35-10.

ZDU 16 — 16 mm²

Two connections

12 x 82.5 x 51.5
98 / 25
1.5 ... 25

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	65	65	66
16	AWG 14... 4	AWG 14... 4	16
	8 / 3		
	A7 / V-0		

KEMA 99ATEX5514 U

Rated connection	further connection
1.5... 16 / 1.5... 25	
1.5... 16 / 1.5... 16	

18 / 1.0 x 5.5

Type	Qty.	Order No.
ZDU 16	25	1745230000
ZDU 16 BL	25	1745240000

Type	Current [A]	Qty.	Order No.
ZQV 16/2	76	25	1739690000
	width [mm]		
ZAP/TW ZDU16	3	20	1745150000
ZAP/TW ZDU16 BL	3	20	1764100000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
ZAD 5/5		20	1745210000

DEK 5 / WS 15/5

Cross-connection of ZDU 16 and ZDU 35 is possible with ZQV 35/16.
Cross-connection of ZDU 10 and ZDU 16 is possible with ZQV 16/10.

ZDU 16/3 AN — 16 mm²

Three connections

12 x 99 x 51.5
76 / 25
1.5 ... 25

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	65	65	66
16	AWG 14... 4	AWG 14... 4	16
	8 / 3		
	A7 / V-0		

KEMA 00ATEX2107 U

Rated connection	further connection
1.5... 16 / 1.5... 25	
1.5... 16 / 1.5... 16	

18 / 1.0 x 5.5

Type	Qty.	Order No.
ZDU 16/3AN	20	1768320000
ZDU 16/3AN BL	20	1768330000

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP/TW 10/16	3	20	1749580000
ZAP/TW 10/16 BL	3	20	1768520000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
ZAD 5/5		20	1745210000

DEK 5 / WS 15/5

ZEI 16 — 16 mm²

Supply terminal

15 x 82.5 x 51.5
76 / 25
1.5 ... 25

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
76	65	65	
16	AWG 14... 4	AWG 14... 4	
	8 / 3		
	A7 / V-0		

Rated connection	further connection
1.5... 16 / 1.5... 25	
1.5... 16 / 1.5... 16	

18 / 1.0 x 5.5

Type	Qty.	Order No.
ZEI 16	20	1745350000
ZEI 16 BL	20	1766240000

End plate is integrated

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 4/3 GE	32	60	1608990000
ZQV 6/4 GE	41	60	1627870000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
ZAD 5/5		20	1745210000

DEK 5 / WS 15/5

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZDU 35 — 35 mm²

Two connections

width x length x height with TS 35 x 7.5 mm	**16** x 100.5 x 59
max. current / max. cond. cross-section A/mm²	**125 / 35**
max. clamping range mm²	**2.5 ... 35**

Technical data

IEC 60947-7-1

Ex e II (Ex) II 2 G D

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	550
Rated current	A	125	120	120	109
Rated cross-section	mm²	35	AWG 12.. 2	AWG 12.. 2	35
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A8 / V-0			
Approvals					KEMA 00ATEX2107 U

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	2.5.. 16 / 2.5.. 35	
Flexible / Flexible with wire-end ferrule	mm²	2.5.. 35 / 2.5.. 35	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	25 / 1.0 x 5.5	

Note	

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDU 35	10	1739620000
blue Wemid	ZDU 35 BL	10	1739630000

Note	
	End plate is integrated

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 35/2	105	10	1739700000
3-pole				
4-pole				
10-pole				
20-/24-pole				

End plate / Partition plate		width [mm]		
dark beige Wemid				
blue Wemid				

End bracket		width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000

Test adapter				
For testing wired terminal strips Standard				
with spigot				

Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000

Reducing sleeves				
for conductors < 0.5 mm / AWG 20				
for conductors < 1.0 mm / AWG 18				

Cover				
with lightning flash symbol	ZAD 6/5		20	1752620000
blank				

Labelling systems (see large size format in catalogue 7)				
Marking tags	DEK 5 / WS 15/5			

For detailed information on other accessories and applications see "Accessories"

Cross-connection of ZDU 10 and ZDU 35 is possible with ZQV 35/10
Cross-connection of ZDU 16 and ZDU 35 is possible with ZQV 35/16

Roof-Style

The compact terminal range for conductor cross-sections 0.13 to 16 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 2.5-2	2.5 mm²	ZDU 2.5-2/3AN	2.5 mm²
	Two connections		Three connections	

width x length x height with TS 35 x 7.5	mm	5.1 x 50.5 x 44
max. current / max. cond. cross-section	A/mm²	24 / 4
max. clamping range	mm²	0.13 ... 4

Technical data

	ZDU 2.5-2	ZDU 2.5-2/3AN
Rated data	IEC 60947-7-1 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 — Ex e II (Ex) II 2 G D
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	800 / 600 / 600 / 550	800 / 600 / 600 / 550
Rated current A	24 / 24 / 24 / 21	24 / 23 / 23 / 21
Rated cross-section mm²	2.5 / AWG 26... 12 / AWG 30... 12 / 2.5	2.5 / AWG 26... 12 / AWG 30... 12 / 2.5
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A2 / V-0	A2 / V-0
Approvals	KEMA 97ATEX4677 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...4	0.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.6	0.6
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDU 2.5-2	100	1772060000	ZDU 2.5-2/3AN	100	1706010000
blue Wemid	ZDU 2.5-2 BL	100	1772070000	ZDU 2.5-2/3AN BL	100	1706040000
Note	The rated voltage is reduced to 400 V when using the cross-connection			The rated voltage is reduced to 400 V when using the cross-connection		

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW7	2.5	50	1706110000	ZAP/TW7	2.5	50	1706110000
blue Wemid	ZAP/TW7 BL	2.5	50	1706120000	ZAP/TW7 BL	2.5	50	1706120000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard								
with spigot	ZTA 4		25	1688110000	ZTA 4		25	1688110000
Screwdrivers								
with cutting device "swiftly set" Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000	ZRH 1.5/1		1000	1678810000
for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000	ZRH 1.5/2		1000	1678800000
Cover								
with lightning flash symbol	ZAD 1/4-2 GE		20	1764560000	ZAD 1/4-2 GE		20	1764560000
blank								
Labelling systems (see large size x format in catalogue 7)								
Marking tags	DEK 5 / WS 14/5				DEK 5 / WS 14/5			
For detailed information on other accessories and applications see "Accessories"	The rated voltage is reduced to 250 V when using the shield bus LS 2.5 (1056400000).				The rated voltage is reduced to 250 V when using the shield bus LS 2.5 (1056400000)			

ZDU 2.5-2/4AN — 2.5 mm²

Four connections

5.1 x 50.5 x 44
24 / 4
0.13 ... 4

IEC 60947-7-1 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	23	23	21
2.5	AWG 26... 12	AWG 30... 12	2.5
8 / 3			
A2 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDU 2.5-2/4AN	100	1706060000
ZDU 2.5-2/4AN BL	100	1706070000

When using the ZQB 2.5 the conductor cross-section is reduced to 1.5 mm², solid and flexible

Type	Current [A]	Qty.	Order No.
ZQB 2.5-2	24	50	1677120000
	width [mm]		
ZAP/TW7	2.5	50	1706110000
ZAP/TW7 BL	2.5	50	1706120000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1638110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000

DEK 6 / WS 14/5

The rated voltage is reduced to 250 V when using the shield bus LS 2.8 (1056400000).

ZDU 4-2 — 4 mm²

Two connections

6.1 x 61.5 x 46
32 / 6
0.13 ... 6

IEC 60947-7-1 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26... 10	AWG 25... 10	4
8 / 3			
A3 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 4-2/2AN	100	1770370000
ZDU 4-2/2AN BL	100	1770840000

The rated voltage is reduced to 400 V when using the cross-connection

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP ZDU4-2	2	50	1770400000
ZAP ZDU4-2 BL	2	50	1770880000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZAD 1/4		20	1609110000

DEK 6 / WS 12/5

The rated voltage is reduced to 250 V when using the shield bus LS 2.8 (1056400000).

ZDU 4-2/3AN — 4 mm²

Three connections

6.1 x 61.5 x 46
38 / 6
0.13 ... 6

IEC 60947-7-1 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26... 10	AWG 26... 10	4
8 / 3			
A3 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 4-2/3AN	100	1770390000
ZDU 4-2/3AN BL	100	1770860000

The rated voltage is reduced to 400 V when using the cross connection

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP ZDU4-2	2	50	1770400000
ZAP ZDU4-2 BL	2	50	1770880000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZAD 1/4		20	1609110000

DEK 6 / WS 12/5

The rated voltage is reduced to 250 V when using the shield bus LS 2.8 (1056400000).

Roof-Style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 4-2/3AN LSC	ZDU 4-2/4AN
	4 mm²	4 mm²
	Three connections	Four connections
width x length x height with TS 35 x 7.5 mm	6.1 x 61.5 x 46	6.1 x 75.5 x 46
max. current / max. cond. cross-section A/mm²	38 / 6	32 / 6
max. clamping range mm²	0.13 ... 6	0.13 ... 6

Technical data

	ZDU 4-2/3AN LSC	ZDU 4-2/4AN
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II Ex II 2 G D	Ex e II Ex II 2 G D
Rated data		
Rated voltage V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current A	32 / 33 / 35 / 28	32 / 33 / 33 / 28
Rated cross-section mm²	4 AWG 26... 10 / AWG 25... 10 / 4	4 AWG 26... 10 / AWG 26... 10 / 4
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals	KEMA 97ATEX4677 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...6	0.5...6
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque range (clamping screw) Nm	0.6	0.6
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	The ZDU 4-2/3AN LSC version can be mounted on a 40 mm Lütze section	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Weimid	ZDU 4-2/3AN LSC	100	1790520000	ZDU 4-2/4AN	100	1806980000
blue Weimid				ZDU 4-2/4AN BL	100	1806990000
Note	The rated voltage is reduced to 400 V when using the cross-connection			The rated voltage is reduced to 400 V when using the cross-connection		

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608960000	ZQV 4/2 GE	32	60	1608960000
3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1909010000	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Weimid	ZAP ZDU4-2	2	50	1770400000	ZAP ZDU4-2/4AN	2	50	1807010000
blue Weimid	ZAP ZDU4-2 BL	2	50	1770380000	ZAP ZDU4-2/4AN BL	2	50	1807020000
End bracket		width [mm]				width [mm]		
dark beige Weimid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard								
with spigot	ZTA 6/ZA		25	1780660000	ZTA 6/ZA		25	1780660000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008380000	SD 0.6x3.5x100		1	9008380000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20								
for conductors < 1.0 mm / AWG 18								
Cover								
with lightning flash symbol	ZAD 1/4		20	1609110000	ZAD 1/4		20	1609110000
blank								
Labelling systems (see large selection in catalogue 7)								
Marking tags	DEK 6 / WS 12/5				DEK 6 / WS 12/5			
For detailed information on other accessories and applications see "Accessories"	The rated voltage is reduced to 250 V when using the shield bus LS 2.5 (1056400000).							

ZDU 6-2/2AN — 6 mm²

Two connections

8.1 x 68 x 50
41 / 10
0.33 ... 10

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22... 8	AWG 20... 8	6
	8 / 3		
	A5 / V-0		
	KEMA 97ATEX4677 U		

Rated connection	further connection
0.5... 10	
0.5... 10 / 0.5... 6	

12 / 0.6 x 3.5

Type	Qty.	Order No.
ZDU 6-2/2AN	50	1771380000
ZDU 6-2/2AN BL	50	1771390000

The rated voltage is reduced to 400 V when using the cross-connection

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDU6-2	2.5	50	1771440000
ZAP ZDU6-2 BL	2.5	50	1771450000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 7/ZA		25	1780670000
SD 0.8x4.0x100		1	9008340000

DEK 8

ZDU 6-2/3AN — 6 mm²

Three connections

8.1 x 68 x 50
41 / 10
0.33 ... 10

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22... 8	AWG 20... 8	6
	8 / 3		
	A5 / V-0		
	KEMA 97ATEX4677 U		

Rated connection	further connection
0.5... 10	
0.5... 10 / 0.5... 6	

12 / 0.6 x 3.5

Type	Qty.	Order No.
ZDU 6-2/3AN	50	1771410000
ZDU 6-2/3AN BL	50	1771420000

The rated voltage is reduced to 400 V when using the cross-connection

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDU6-2	2.5	50	1771440000
ZAP ZDU6-2 BL	2.5	50	1771450000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 7/ZA		25	1780670000
SD 0.6x3.5x100		1	9008330000

DEK 8

ZEI 16-2 /1 AN — 16 mm²

Supply terminal

14 x 61.5 x 51.5
76 / 25
1.5 ... 25

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
76	65	65	
16	AWG 14... 4	AWG 14... 4	
	6 / 3		
	A7 / V-0		

Rated connection	further connection
1.5... 10... 25	
1.5... 16 / 1.5... 16	

18 / 1.0 x 5.5

Rated voltage is reduced to 400 V or the rated voltage of the distribution terminals

Type	Qty.	Order No.
ZEI 16-2/1AN	20	1772940000
ZEI 16-2/1AN BL	20	1772950000

End plate is integrated

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 4/3 GE	32	60	1608960000
ZQV 6/4 GE	41	60	1627870000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
ZAD 5/5		20	1745210000

DEK 8

This plug-in cross-connections ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used.

Modular PE terminals

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPE 1.5	ZPE 1.5/3AN
	1.5 mm²	1.5 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	3.5 x 51.5 x 37	3.5 x 63.5 x 37
max. current / max. cond. cross-section A/mm²	/ 1.5	/ 1.5
max. clamping range mm²	0.05 ... 1.5	0.05 ... 1.5

Technical data

	ZPE 1.5	ZPE 1.5/3AN
Rated data	IEC 60947-7-2 Ex e II Ex II 2 G D	IEC 60947-7-2 Ex e II Ex II 2 G D
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section mm²	1.5 / AWG 30... 14 / AWG 26... 14 / 1.5	1.5 / AWG 30... 14 / AWG 26... 14 / 1.5
Rated voltage to adjacent terminal V	500	500
Rated impulse withstand voltage to adjacent terminal kV	6	6
Short-time withstand current A		
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	B1 / V-0	B1 / V-0
Approvals	KEMA 01ATEX2106 U	KEMA 01ATEX2106 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5... 1.5	0.5... 1.5
Flexible / Flexible with wire-end ferrule mm²	0.5... 1.5 / 0.5... 1.5	0.5... 1.5 / 0.5... 1.5
Tightening torque range (clamping screw) Nm		
Tightening torque range (frame screw) Nm		
Stripping length / Blade size mm / -	10 / 0.4 x 2.0	10 / 0.4 x 2.0
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZPE 1.5	100	1775610000	ZPE 1.5/3AN	100	1775660000
Note						

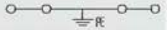
Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP/TW ZDU1.5/2AN	2	20	1776080000	ZAP/TW ZDU1.5/3AN	3.5	20	1776080000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard	ZTA 5		25	1776210000	ZTA 5		25	1776210000
with spigot	ZTA 5/ZA		25	1776220000	ZTA 5/ZA		25	1776220000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.4x2.0x60		1	9037160000	SD 0.4x2.0x60		1	9037160000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 1.5S/1		500	1781960000	ZRH 1.5S/1		500	1781960000
for conductors < 1.0 mm² / < AWG 18	ZRH 1.5S/2		500	1781960000	ZRH 1.5S/2		500	1781960000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 12/3,5				DEK 5 / WS 10/3,5			
For detailed information on other accessories and applications see "Accessories"								

ZPE 1.5/4AN — 1.5 mm²

Four connections

3.5 x 75.5 x 37
/ 1.5
0.05 ... 1.5



IEC 60947-7-2 — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 30... 14	AWG 26... 14	1.5
500			
6			
3			
B1 / V-0			
KEMA 01ATEX2106 U			

Rated connection	further connection
0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.4 x 2.0	

Type	Qty.	Order No.
ZPE 1.5/4AN	100	1775620000

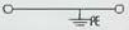
Type	width [mm]	Qty.	Order No.
ZAP/TW ZDU1.5/4AN	3.5	20	1776090000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SD 0.4x2.0x60		1	9037160000
ZRH 1.5/1		500	1781950000
ZRH 1.5/2		500	1781960000

DEK 5 / WS 12/3,5

ZPE 2.5 — 2.5 mm²

Two connections

5.1 x 59.5 x 39.5
/ 4
0.05 ... 4



IEC 60947-7-2 — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30... 12	AWG 26... 12	2.5
800			
8			
3			
A3 / V-0			
KEMA 97ATEX2521 U			

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 2.5	100	1608640000

Type	width [mm]	Qty.	Order No.
ZAP/TW 1	2	50	1608740000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000

DEK 5 / WS 10/5

ZPE 2.5/3AN — 2.5 mm²

Three connections

5.1 x 64.5 x 39.5
/ 4
0.05 ... 4

IEC 60947-7-2 — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30... 12	AWG 26... 12	2.5
800			
8			
3			
A3 / V-0			
KEMA 97ATEX2521 U			

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 2.5/3AN	100	1608650000

Type	width [mm]	Qty.	Order No.
ZAP/TW 2 DB	2	50	1608770000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000

DEK 5 / WS 10/5

Modular PE terminals

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPE 2.5/4AN	ZPE 4
	2.5 mm²	**4 mm²**
	Four connections	Two connections
width x length x height with TS 35 x 7.5 mm	**5.1** x 79.5 x 39.5	**6** x 62 x 43.5
max. current / max. cond. cross-section A/mm²	**/ 4**	**/ 6**
max. clamping range mm²	**0.05 ... 4**	**0.13 ... 6**

Technical data

	ZPE 2.5/4AN	ZPE 4
Rated data	IEC 60947-7-2 — Ex e II (Ex) II 2 G D	IEC 60947-7-2 — Ex e II (Ex) II 2 G D
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section mm²	2.5 / AWG 30... 12 / AWG 26... 12 / 2.5	4 / AWG 26... 10 / AWG 26... 10 / 4
Rated voltage to adjacent terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	8	8
Short-time withstand current A		
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A4 / V-0
Approvals	KEMA 97ATEX2521 U	KEMA 97ATEX2521 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5... 4	0.5...6 / 1.6...6
Flexible / Flexible with wire-end ferrule mm²	0.5... 4 / 0.5... 2.5	0.5...6 / 0.5...4
Tightening torque range (clamping screw) Nm		
Tightening torque range (frame screw) Nm		
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	12 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZPE 2.5/4AN	100	1608660000	ZPE 4	100	1632080000
Note						

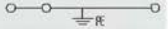
Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP/TW 3	2	50	1608300000	ZAP/TW 4	2	50	1632090000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard	ZTA 1		25	1609040000	ZTA 2 ZDU4		25	1609060000
with spigot	ZTA 1/ZA		25	1609050000	ZTA 2/ZA ZDU4		25	1609070000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 2.5/1 WS		1000	1614300000	ZRH 4/1 WS		1000	1636640000
for conductors < 1.0 mm² / < AWG 18	ZRH 2.5/2 GR/WS		1000	1614290000	ZRH 4/2		1000	1636650000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 6 / WS 12/6			
For detailed information on other accessories and applications see "Accessories"								

ZPE 4/3 AN — 4 mm²

Three connections

6 x 83.5 x 43.5
/ 6
0.13 ... 6



IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
800			
8			
	3		
	A4 / V-0		
	KEMA 00ATEX2107 U		

Rated connection	further connection
0.5...6 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 4/3AN	50	7904170000

Type	width [mm]	Qty.	Order No.
ZAP/TW4/3AN	2	20	7904100000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SD 0.6x3.5x100		1	9008330000
ZRH 4/1 WS		1000	1636640000
ZRH 4/2		1000	1636650000

DEK 6 / WS 12/6

ZPE 4/4 AN — 4 mm²

Four connections

6 x 104.35 x 43.5
/ 6
0.13 ... 6

IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
800			
8			
	3		
	A4 / V-0		
	KEMA 00ATEX2107 U		

Rated connection	further connection
0.5...6 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 4/4AN	50	7904280000

Type	width [mm]	Qty.	Order No.
ZAP/TW4/4AN	2	20	7904210000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SD 0.6x3.5x100		1	9008330000
ZRH 4/1 WS		1000	1636640000
ZRH 4/2		1000	1636650000

DEK 6 / WS 12/6

Modular PE terminals

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPE 6	6 mm²	ZPE 6/3 AN	6 mm²
	Two connections		Three connections	
width x length x height with TS 35 x 7.5 mm	8 x 65 x 45.5		8 x 90 x 45.6	
max. current / max. cond. cross-section A/mm²	/ 10		/ 10	
max. clamping range mm²	0.21 ... 10		0.21 ... 10	

Technical data

	ZPE 6				6 mm²	ZPE 6/3 AN				6 mm²
Rated data	IEC 60947-7-2			Ex e II Ex II 2 G D		IEC 60947-7-2			Ex e II Ex II 2 G D	
	IEC	UL	CSA	EN 60079-7		IEC	UL	CSA	EN 60079-7	
Rated cross-section mm²	6	AWG 22... 8	AWG 20... 8	6		6	AWG 22... 8	AWG 20... 8	6	
Rated voltage to adjacent terminal V	800					800				
Rated impulse withstand voltage to adjacent terminal kV	8					8				
Short-time withstand current A										
Pollution severity			3					3		
Gauge to IEC 60947-1 / UL94 Flammability class			A5 / V-0					A5 / V-0		
Approvals				KEMA 97ATEX2521U					KEMA 00ATEX2107 U	
Clamped conductors (H05V/H07V)	Rated connection		further connection			Rated connection		further connection		
Solid / stranded mm²	0.5... 10 / 1.5... 10					0.5... 10 / 1.5... 10				
Flexible / Flexible with wire-end ferrule mm²	0.5... 10 / 0.5... 6					0.5... 10 / 0.5... 6				
Tightening torque range (clamping screw) Nm										
Tightening torque range (frame screw) Nm										
Stripping length / Blade size mm / -	13 / 0.6 x 3.5					13 / 0.6 x 3.5				
2 clamped cables with same cross-section (H05V/H07V)										
Solid / stranded mm²										
Flexible / Flexible with wire-end ferrule mm²										
Note										

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZPE 6	50	1608670000	ZPE 6/3AN	50	7907400000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP/TW 5	2	50	1608330000	ZAP/TW6/3AN	2	20	7907370000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard	ZTA 3 ZDU6		25	1654050000	ZTA 3 ZDU6		25	1654050000
with spigot								
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 1.0x5.5x150		1	9008350000	SD 1.0x5.5x150		1	9008350000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20								
for conductors < 1.0 mm² / < AWG 18								
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 8 / WS 12/6				DEK 8 / WS 12/6			
For detailed information on other accessories and applications see "Accessories"								

ZPE 10 — 10 mm²

Two connections

10 x 73.5 x 50.5
/ 16
1.31 ... 16

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16... 6	AWG 16... 6	10
800			
8			
	3		
	A6 / V-0		
			KEMA 99ATEX5514 U

Rated connection	further connection
1.5...16 / 10...16	
1.5...10 / 1.5...10	
18 / 1.0 x 5.5	

Type	Qty.	Order No.
ZPE 10	25	1746770000

Type	width [mm]	Qty.	Order No.
ZAP/TW ZDU10	2.7	20	1748660000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
DEK 5 / WS 12/6			

ZPE 10/3 AN — 10 mm²

Three connections

10 x 99 x 50.5
/ 16
1.31 ... 16

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16... 6	AWG 16... 6	10
800			
8			
	3		
	A6 / V-0		
			KEMA 00ATEX2107 U

Rated connection	further connection
1.5...16 / 10...16	
1.5...10 / 1.5...10	
18 / 1.0 x 5.5	

Type	Qty.	Order No.
ZPE 10/3AN	20	1767670000

Type	width [mm]	Qty.	Order No.
ZAP/TW 10/16	3	20	1749580000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
DEK 5 / WS 12/6			

Modular PE terminals

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZPE 16	ZPE 16/3AN
		16 mm²	16 mm²
		Two connections	Three connections
width x length x height with TS 35 x 7.5	mm	12 x 82.5 x 51.5	12 x 99 x 51.5
max. current / max. cond. cross-section	A/mm²	/ 25	/ 25
max. clamping range	mm²	1.5 ... 25	1.5 ... 25

Technical data

		ZPE 16	ZPE 16/3AN
Rated data		IEC 60947-7-2 Ex e II (Ex) II 2 G D	IEC 60947-7-2 Ex e II (Ex) II 2 G D
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section	mm²	16 / AWG 14... 4 / AWG 14... 4 / 16	16 / AWG 14... 4 / AWG 14... 4 / 16
Rated voltage to adjacent terminal	V	800	800
Rated impulse withstand voltage to adjacent terminal	kV	8	8
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		A7 / V-0	A7 / V-0
Approvals		KEMA 99ATEX5514 U	KEMA 00ATEX2107 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	1.5... 16 / 16... 25	1.5... 16 / 16... 25
Flexible / Flexible with wire-end ferrule	mm²	1.5... 16 / 1.5... 16	1.5... 16 / 1.5... 16
Tightening torque range (clamping screw)	Nm		
Tightening torque range (frong screw)	Nm		
Stripping length / Blade size	mm / -	18 / 1.0 x 5.5	18 / 1.0 x 5.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		To maintain the current carrying capacity of the terminal rail, use the TS 35 x 15.	To maintain the current-carrying capacity of the terminal rail, use the TS 35 x 15.

Ordering data

		ZPE 16			ZPE 16/3AN		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow Wemid	ZPE 16	25	1745250000	ZPE 16/3AN	20	1763310000
Note							

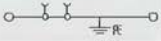
Accessories

		ZPE 16				ZPE 16/3AN			
End plate		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
	dark beige Wemid	ZAP/TW ZDU16	3	20	1745150000	ZAP/TW 10/16	3	20	1749580000
End bracket			width [mm]				width [mm]		
	dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking									
For testing wired terminal strips	Standard								
	with spigot								
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 1.0x5.5x150		1	9008350000	SD 1.0x5.5x150		1	9008350000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20								
	for conductors < 1.0 mm² / < AWG 18								
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 5 / WS 15/5				WS 15/5			
For detailed information on other accessories and applications see "Accessories"		The plug-in cross-connectors ZQV 16/2 (1739690000) can be used.							

ZPE 35 — 35 mm²

Two connections

16 x 100.5 x 60
/ 35
2.5 ... 35



IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12.. 2	AWG 12.. 2	35
800			
8			
	3		
	A8 / V-0		
			KEMA 00ATEX2107 U

Rated connection	further connection
2.5.. 16 / 2.5.. 35	
2.5.. 35 / 2.5.. 35	
25 / 1.0 x 5.5	

To maintain the current carrying capacity of the terminal rail, use the TS 35 x 15

Type	Qty.	Order No.
ZPE 35	10	1739650000

End plate is integrated

Type	width [mm]	Qty.	Order No.
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000

DEK 5 / WS 15/5

The plug-in cross connectors ZQV 35/2 (1739700000) can be used

Modular PE terminals

Roof-Style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPE 2.5-2	2.5 mm²	ZPE 2.5-2/3AN	2.5 mm²
	Two connections		Three connections	

width x length x height with TS 35 x 7.5	mm	5.1 x 50.5 x 44
max. current / max. cond. cross-section	A/mm²	/ 4
max. clamping range	mm²	0.13 ... 4

Technical data

		ZPE 2.5-2	ZPE 2.5-2/3AN
Rated data		IEC 60947-7-2 Ex e II Ex II 2 G D	IEC 60947-7-2 Ex e II Ex II 2 G D
Rated cross-section	mm²	IEC: 2.5 / UL: AWG 26... 12 / CSA: AWG 30... 14 / EN 60079-7: 2.5	IEC: 2.5 / UL: AWG 26... 12 / CSA: AWG 30... 14 / EN 60079-7: 2.5
Rated voltage to adjacent terminal	V	800	800
Rated impulse withstand voltage to adjacent terminal	kV	8	8
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals		KEMA 97ATEX4677 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (frame screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZPE 2.5-2	100	1772090000	ZPE 2.5-2/3AN	100	1706090000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP/TW7	2.5	50	1706110000	ZAP/TW7	2.5	50	1706110000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard								
with spigot	ZTA 4		25	1683110000	ZTA 4		25	1683110000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 1.5H/1		1000	1678810000	ZRH 1.5H/1		1000	1678810000
for conductors < 1.0 mm² / < AWG 18	ZRH 1.5H/2		1000	1678800000	ZRH 1.5H/2		1000	1678800000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 14/5				DEK 5 / WS 14/5			
For detailed information on other accessories and applications see "Accessories"								

ZPE 2.5-2/4AN — 2.5 mm²

Four connections

6.1 x 50.5 x 44
/ 4
0.13 ... 4

IEC 60947-7-2 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26... 12	AWG 30... 14	2.5
800			
8			
3			
A2 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

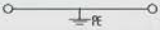
Type	Qty.	Order No.
ZPE 2.5-2/4AN	100	1706100000

Type	width [mm]	Qty.	Order No.
ZAP/TW7	2.5	50	1706110000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1683110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
WS 10/5			

ZPE 4-2/2AN — 4 mm²

Two connections

6.1 x 61.5 x 46
/ 6
0.13 ... 6



IEC 60947-7-2 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
800			
8			
3			
A3 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

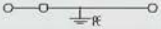
Type	Qty.	Order No.
ZPE 4-2/2AN	100	1770380000

Type	width [mm]	Qty.	Order No.
ZAP ZDU4-2	2	50	1770400000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZRH 4/1 WS		1000	1636640000
ZRH 4/2		1000	1636650000
DEK 6 / WS 12/6			

ZPE 4-2/3AN — 4 mm²

Three connections

6.1 x 61.5 x 46
/ 6
0.13 ... 6



IEC 60947-7-2 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
800			
8			
3			
A3 / V-0			
KEMA 97ATEX4677 U			

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 4-2/3AN	100	1770390000

Type	width [mm]	Qty.	Order No.
ZAP ZDU4-2	2	50	1770400000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZRH 4/1 WS		1000	1636640000
ZRH 4/2		1000	1636650000
DEK 6 / WS 12/6			

Modular PE terminals

Roof-Style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPE 4-2/4 AN	ZPE 6-2/2AN
	4 mm²	6 mm²
	Four connections	Two connections
width x length x height with TS 35 x 7.5 mm	6.1 x 75.5 x 46	8.1 x 68 x 50
max. current / max. cond. cross-section A/mm²	/ 6	/ 10
max. clamping range mm²	0.13 ... 6	0.33 ... 10

Technical data

	ZPE 4-2/4 AN	ZPE 6-2/2AN
	IEC 60947-7-2 Ex e II Ex II 2 G D	IEC 60947-7-2 Ex e II Ex II 2 G D
Rated data	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section mm²	4 / AWG 26... 10 / AWG 26... 10 / 4	6 / AWG 22... 8 / AWG 20... 8 / 6
Rated voltage to adjacent terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	8	8
Short-time withstand current A		
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A5 / V-0
Approvals	KEMA 97ATEX4677 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5... 6	0.5... 10
Flexible / Flexible with wire-end ferrule mm²	0.5... 4 / 0.5... 4	0.5... 10 / 0.5... 6
Tightening torque range (clamping screw) Nm		
Tightening torque range (frame screw) Nm		
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	12 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZPE 4-2/4AN	100	1807090000	ZPE 6-2/2AN	50	1771370000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP ZDU4-2/4AN	2	50	1807010000	ZAP ZDU6-2	2.5	50	1771440000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard								
with spigot	ZTA 6/ZA		25	1780660000	ZTA 7/ZA		25	1780670000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 4/1 WS		1000	1636640000				
for conductors < 1.0 mm² / < AWG 18	ZRH 4/2		1000	1636650000				
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 12/6				DEK 8			
For detailed information on other accessories and applications see "Accessories"								

ZPE 6-2/3AN — 6 mm²

Three connections

8.1 x 68 x 50
/ 10
0.33 ... 10

IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22.. 8	AWG 20.. 8	6
800			
8			
	3		
	A5 / V-0		
	KEMA 97ATEX4677 U		

Rated connection	further connection
0.5...10	
0.5...10 / 0.5.. 6	
12 / 0.6 x 3.5	

Type	Qty.	Order No.
ZPE 6-2/3AN	50	1771360000

Type	width [mm]	Qty.	Order No.
ZAP ZDU6-2	2.5	50	1771440000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 7/ZA		25	1780670000
SD 0.8x4.0x100		1	9008340000

DEK 8

ZPE 16-2/1AN — 16 mm²

Supply terminal - PE

12 x 65 x 51.5
/ 25
1.5 ... 25

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14.. 4	AWG 14.. 4	
800			
8			
	1920 A (16 mm²)		
	3		
	A7 / V-0		

Rated connection	further connection
1.5...10 / 16... 25	
1.5...16 / 1.5.. 16	
18 / 1.0 x 5.5	

Rated voltage is reduced to 400 V or the rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	width [mm]	Qty.	Order No.
ZAP/Z.. 16-2/1AN	2.5	10	1772970000
	width [mm]		
ZEW 35	6	20	9540000000

SD 1.0x5.5x150 — 1 — 9008350000

DEK 8

The plug-in cross-connectors ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used.

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDK 1.5	ZDK 1.5V
	1.5 mm²	1.5 mm²
	Double level terminals	Vertically cross-connected double level terminal
width x length x height with TS 35 x 7.5 mm	3.5 x 75.5 x 50	3.5 x 75.5 x 50
max. current / max. cond. cross-section A/mm²	17.5 / 1.5	17.5 / 1.5
max. clamping range mm²	0.05 ... 1.6	0.05 ... 1.6

Technical data

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 30... 16	AWG 28... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			B1 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...1.5	
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.4 x 2.0	

Note		

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 30... 16	AWG 28... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			B1 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...1.5	
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.4 x 2.0	

Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 1.5	100	1791100000
blue Wemid	ZDK 1.5 BL	100	1791110000

Note		

Version	Type	Qty.	Order No.
	ZDK 1.5V	100	1791130000
	ZDK 1.5V BL	100	1791140000

Note		

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 1.5/2	17.5	60	1776120000
3-pole	ZQV 1.5/3	17.5	60	1776130000
4-pole	ZQV 1.5/4	17.5	60	1776140000
10-pole	ZQV 1.5/10	17.5	20	1776200000
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP/TW ZDK1.5	2	20	1791160000
blue Wemid	ZAP/TW ZDK1.5 BL	2	20	1791170000
End bracket		**width [mm]**		
dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter				
For testing wired terminal strips Standard	ZTA 5		25	1776210000
with spigot	ZTA 5/ZA		25	1776220000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.4x2.0x60		1	9037160000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	ZRH 1.5S/1		500	1781950000
for conductors < 1.0 mm / AWG 18	ZRH 1.5S/2		500	1781960000
Cover				
with lightning flash symbol	ZAD 7/4		20	1781940000
blank				
Labelling systems (see large selection in catalogue 7)				
Marking tags	DEK 5 / WS 10/3,5			

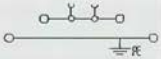
For detailed information on other accessories and applications see "Accessories"

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 1.5/2	17.5	60	1776120000
3-pole	ZQV 1.5/3	17.5	60	1776130000
4-pole	ZQV 1.5/4	17.5	60	1776140000
10-pole	ZQV 1.5/10	17.5	20	1776200000
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP/TW ZDK1.5	2	20	1791160000
blue Wemid	ZAP/TW ZDK1.5 BL	2	20	1791170000
End bracket		**width [mm]**		
dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter				
For testing wired terminal strips Standard	ZTA 5		25	1776210000
with spigot	ZTA 5/ZA		25	1776220000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.4x2.0x60		1	9037160000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	ZRH 1.5S/1		500	1781950000
for conductors < 1.0 mm / AWG 18	ZRH 1.5S/2		500	1781960000
Cover				
with lightning flash symbol	ZAD 7/4		20	1781940000
blank				
Labelling systems (see large selection in catalogue 7)				
Marking tags	DEK 5 / WS 10/3,5			

ZDK 1.5 DU-PE — 1.5 mm²

Double level terminals (DU - PE)

3.5 x 75.5 x 50
17.5 / 1.5
0.05 ... 1.5



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	10	10	
1.5	AWG 30... 16	AWG 28... 16	
	6 / 3		
	B1 / V-0		

Rated connection	further connection
0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.4 x 2.0	

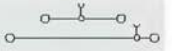
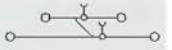
Type	Qty.	Order No.
ZDK 1.5DU-PE	100	1791120000
Upper level: feed-through terminal Lower level: PE terminal		

Type	Current [A]	Qty.	Order No.
ZQV 1.5/2	17.5	60	1776120000
ZQV 1.5/3	17.5	60	1776130000
ZQV 1.5/4	17.5	60	1776140000
ZQV 1.5/10	17.5	20	1776200000
	width [mm]		
ZAP/TW ZDK1.5	2	20	1791160000
ZAP/TW ZDK1.5 BL	2	20	1791170000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6		25	1776210000
ZTA 6/ZA		25	1776220000
SD 0.4x2.0x60		1	9037160000
ZRH 1.5/1		500	1781950000
ZRH 1.5/2		500	1781960000
ZAD 7/4		20	1781940000
DEK 6/3,5 / WS 10/3,5			

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDK 2.5	ZDK 2.5 V
	2.5 mm²	2.5 mm²
	Double level terminals	Vertically cross-connected double level terminal
width x length x height with TS 35 x 7.5 mm	5.1 x 79.5 x 54	5.1 x 79.5 x 54
max. current / max. cond. cross-section A/mm²	20 / 2.5	24 / 2.5
max. clamping range mm²	0.05 ... 2.5	0.05 ... 2.5
		

Technical data

	ZDK 2.5	ZDK 2.5 V
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II Ex II 2 G D	Ex e II Ex II 2 G D
IEC	500	500
UL	300	300
CSA	300	300
EN 60079-7	275	440
Rated voltage V	20	20
Rated current A	10	10
Rated cross-section mm²	10	10
Rated impulse withstand voltage / Pollution severity kV/-	18	20
Gauge to IEC 60947-1 / UL94 Flammability class	2.5	2.5
Approvals	AWG 30... 12	AWG 30... 12
	6 / 3	6 / 3
	A2 / V-0	A2 / V-0
	KEMA 97ATEX4677 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5... 2.5	0.5... 2.5
Flexible / flexible with wire end ferrule mm²	0.5... 2.5 / 0.5... 2.5	0.5... 2.5 / 0.5... 2.5
Tightening torque range (clamping screw) Nm	0.6	0.6
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDK 2.5	50	1674300000	ZDK 2.5V	50	1689990000
blue Wemid	ZDK 2.5 BL	50	1678630000	ZDK 2.5V BL	50	1745380000
Note	Component plug ZBS 1 (1764540000) and ZBS 1 for LED (1764550000) can be used					

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW ZDK 2.5	1.5	20	1674730000	ZAP/TW ZDK 2.5	1.5	20	1674730000
blue Wemid	ZAP/TW ZDK 2.5 BL	1.5	20	1748300000	ZAP/TW ZDK 2.5 BL	1.5	20	1748300000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard								
with spigot	ZTA 4		25	1688110000	ZTA 4		25	1688110000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000	ZRH 1.5/1		1000	1678810000
for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000	ZRH 1.5/2		1000	1678800000
Cover								
with lightning flash symbol								
blank								
Labelling systems (see large size x.1 part in catalogue 7)								
Marking tags	DEK 5 / WS 12/5				DEK 5 / WS 10/5			
	ZMQ 2.5/15 (1720700000) connects two current bars one above the other							

For detailed information on other accessories and applications see "Accessories"

ZDK 2.5 DU-PE — 2.5 mm²

Phase - PE conductor

5.1 x 79.5 x 54
20 / 2.5
0.05 ... 2.5

IEC 60947-7-1 (-7-2) — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
24	10	10	20
2.5	AWG 30... 12	AWG 26... 12	2.5
	6 / 3		
	A2 / V-0		

KEMA 97ATEX4677 U

Rated connection	further connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5DU-PE	50	1689970000

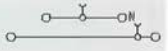
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK2.5	1.5	20	1674730000
ZAP/TW ZDK2.5 BL	1.5	20	1748300000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1688110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000

DEK 5 / WS 12/5

ZDK 2.5 N-DU — 2.5 mm²

Neutral conductor - phase

5.1 x 79.5 x 54
20 / 2.5
0.05 ... 2.5



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	10	10	20
2.5	AWG 30... 12	AWG 26... 12	2.5
	6 / 3		
	A2 / V-0		

KEMA 97ATEX4677 U

Rated connection	further connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5N-DU	50	1689960000

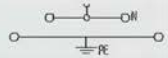
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK2.5	1.5	20	1674730000
ZAP/TW ZDK2.5 BL	1.5	20	1748300000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1688110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000

DEK 5 / WS 12/5

ZDK 2.5 N-PE — 2.5 mm²

Neutral & PE conductor

5.1 x 79.5 x 54
20 / 2.5
0.05 ... 2.5



IEC 60947-7-1 (-7-2) — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	10	10	20
2.5	AWG 30... 12	AWG 26... 12	2.5
	6 / 3		
	A2 / V-0		

KEMA 97ATEX4677 U

Rated connection	further connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5N-PE	50	1689980000

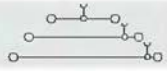
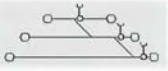
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK2.5	1.5	20	1674730000
ZAP/TW ZDK2.5 BL	1.5	20	1748300000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1688110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000

DEK 5 / WS 12/5

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
		2.5 mm²	2.5 mm²
		Three levels	Vertically cross-connected multi level terminal
width x length x height with TS 35 x 7.5	mm	5.1 x 110.5 x 70	5.1 x 110.5 x 70
max. current / max. cond. cross-section	A/mm²	20 / 2.5	20 / 2.5
max. clamping range	mm²	0.08 ... 2.5	0.08 ... 2.5
			

Technical data

		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Rated data		IEC 60947-7-1	IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	400 / 300 / 300
Rated current	A	20 / 15 / 15	20 / 15 / 15
Rated cross-section	mm²	2.5 / AWG 26... 12 / AWG 26... 12	2.5 / AWG 26... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals			
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 2.5	0.5... 2.5
Flexible / flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 2.5	0.5... 2.5 / 0.5... 2.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	ZDLD 2.5-2N	50	1782300000	ZDLD 2.5-2VN	25	1782320000
	blue Wemid	ZDLD 2.5-2N BL	50	1782310000	ZDLD 2.5-2VN BL	25	1782330000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	1608860000	ZQV 2.5/2	24	60	1608860000
	3-pole	ZQV 2.5/3	24	60	1608870000	ZQV 2.5/3	24	60	1608870000
	4-pole	ZQV 2.5/4	24	60	1608880000	ZQV 2.5/4	24	60	1608880000
	10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZDLD2.5-2N	1.5	20	1782340000	ZAP/TW ZDLD2.5-2N	1.5	20	1782340000
	blue Wemid	ZAP/TW ZDLD2.5-2N BL	1.5	20	1782350000	ZAP/TW ZDLD2.5-2N BL	1.5	20	1782350000
End bracket			width [mm]				width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter									
For testing wired terminal strips	Standard								
	with spigot	ZTA 4		25	1688110000	ZTA 4		25	1688110000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000				
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000	ZRH 1.5/1		1000	1678810000
	for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000	ZRH 1.5/2		1000	1678800000
Cover									
	with lightning flash symbol								
	blank								
Labelling systems	(see large size x format in catalogue 7)								
	Marking tags	DEK 5 / WS 12/5				DEK 5 / WS 12/5			
For detailed information on other accessories and applications see "Accessories"		ZMQ 2.5/15 (1720700000) connects two current bars one above the other							

Standard model

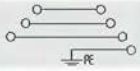
Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZMAK 2.5 — 2.5 mm²

Motor supply terminal

width x length x height with TS 35 x 7.5 mm	**5.1** x 102 x 70
max. current / max. cond. cross-section A/mm²	**31 / 4**
max. clamping range mm²	**0.08 ... 4**



Technical data

IEC 60947-7-1 (-7-2)

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300	
Rated current A	24	25	25	
Rated cross-section mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	0.5... 4	
Flexible / Flexible with wire end ferrule mm²	0.5... 4 / 0.5... 2.5	
Tightening torque range (clamping screw) Nm		
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZMAK 2.5	25	1768000000
blue Wemid			

Note

Accessories

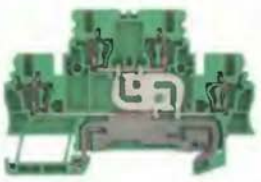
Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZMAK2.5	1.5	10	1768010000
blue Wemid				
End bracket		**width [mm]**		
dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter				
For testing wired terminal strips Standard				
with spigot				
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000
for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000
Cover				
with lightning flash symbol				
blank				
Labelling systems (see large size format in catalogue 7)				
Marking tags	DEK 5 / ZGB 15			

For detailed information on other accessories and applications see "Accessories"

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDK 1.5 PE	1.5 mm²	ZDK 2.5 PE	2.5 mm²
	Double level terminals		Vertically cross-connected	
				
width x length x height with TS 35 x 7.5	3.5 x 75.5 x 50	mm	5.1 x 79.5 x 54	mm
max. current / max. cond. cross-section	/ 1.5	A/mm²	/ 2.5	A/mm²
max. clamping range	0.05 ... 1.5	mm²	0.05 ... 2.5	mm²

Technical data

	ZDK 1.5 PE	ZDK 2.5 PE
Rated data	IEC 60947-7-2 Ex e II Ex II 2 G D	IEC 60947-7-2 Ex e II Ex II 2 G D
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated cross-section	1.5 / AWG 30... 16 / AWG 26... 16 / 1.5	2.5 / AWG 30... 12 / AWG 26... 12 / 2.5
Rated voltage to adjacent terminal	500	500
Rated impulse withstand voltage to adjacent terminal	6	6
Short-time withstand current		
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	B1 / V-0	A2 / V-0
Approvals	KEMA 01ATEX2106 U	KEMA 97ATEX4677 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded	0.5... 1.5	0.5... 2.5
Flexible / Flexible with wire end ferrule	0.5... 1.5 / 0.5... 1.5	0.5... 2.5 / 0.5... 2.5
Tightening torque range (clamping screw)		
Tightening torque range (frame screw)		
Stripping length / Blade size	10 / 0.4 x 2.0	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded		
Flexible / Flexible with wire end ferrule		
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZDK 1.5PE	100	1791150000	ZDK 2.5PE	50	1690000000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	ZAP/TW ZDK1.5	2	20	1791160000	ZAP/TW ZDK2.5	1.5	20	1674730000
End bracket		width [mm]				width [mm]		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard	ZTA 5		25	1776210000				
with spigot	ZTA 5/ZA		25	1776220000	ZTA 4		25	1688110000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.4x2.0x60		1	9037160000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 1.5S/1		500	1781960000	ZRH 1.5H/1		1000	1678810000
for conductors < 1.0 mm² / < AWG 18	ZRH 1.5S/2		500	1781960000	ZRH 1.5H/2		1000	1678800000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5/3.5 / WS 10/3.5				DEK 5 / WS 12/5			
For detailed information on other accessories and applications see "Accessories"								

Roof-style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDK 2.5-2	2.5 mm²	ZDK 2.5-2V	2.5 mm²
	Double level terminals		Vertically cross-connected double level terminal	

width x length x height with TS 35 x 7.5	mm	5.1 x 72.5 x 55.5
max. current / max. cond. cross-section	A/mm²	24 / 4
max. clamping range	mm²	0.05 ... 4

width x length x height with TS 35 x 7.5	mm	5.1 x 72.5 x 55.5
max. current / max. cond. cross-section	A/mm²	24 / 4
max. clamping range	mm²	0.05 ... 4

Technical data

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	24	20	25	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 30... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...4	
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	

Note
2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 30... 12	AWG 30... 12	
	8 / 3		
	A2 / V-0		

Rated connection	further connection
0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5	

Note
2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 2.5-2	50	1790990000
blue Wemid	ZDK 2.5-2 BL	50	1791000000

Note
The rated voltage is reduced to 400 V when using the cross-connection

Type	Qty.	Order No.
ZDK 2.5-2V	50	1791030000
ZDK 2.5-2V BL	50	1791040000

Note
The rated voltage is reduced to 400 V when using the cross connection

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP/TW ZDK2.5-2	2	20	1791050000
blue Wemid	ZAP/TW ZDK2.5-2 BL	2	20	1791060000
End bracket		**width [mm]**		
dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter				
For testing wired terminal strips Standard				
with spigot	ZTA 4		25	1688110000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000
for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000
Cover				
with lightning flash symbol	ZAD 1/4-2 GE		20	1764560000
blank				
Labelling systems (see large size x.1 part in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			

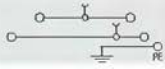
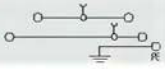
For detailed information on other accessories and applications see "Accessories"
ZDK 2.5-2/LD 24 VUC order No. 1605310000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1608960000
	width [mm]		
ZAP/TW ZDK2.5-2	2	20	1791050000
ZAP/TW ZDK2.5-2 BL	2	20	1791060000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 4		25	1688110000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/1		1000	1678810000
ZRH 1.5/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5 / WS 10/5			

Roof-style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDKPE 2.5-2	ZDKPE 2.5-2/N/L/PE
	2.5 mm²	**2.5 mm²**
	Double level terminals with PE connection on one side	Double level terminals with PE connection on one side
width x length x height with TS 35 x 7.5 mm	5.1 x 72.5 x 55.5	5.1 x 72.5 x 55.5
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4
		

Technical data

		IEC 60947-7-1 (-7-2)			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	800	600	600	
Rated current	A	24	20	20	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 30... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0			
Approvals					

Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**
Solid / stranded	mm²	0.5...4	
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm	0.5...0.6	
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	

Note	
	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

	ZDKPE 2.5-2/N/L/PE
IEC 60947-7-1 (-7-2)	
IEC	800
UL	600
CSA	600
EN 60079-7	
	24
	20
	2.5
	AWG 30... 12
	AWG 30... 12
	8 / 3
	A2 / V-0
Rated connection	0.5...4
further connection	0.5...2.5 / 0.5...2.5
	0.5...0.6
	10 / 0.6 x 3.5
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Version		**Type**	**Qty.**	**Order No.**
	dark beige Wemid	ZDKPE 2.5-2	50	1805940000
	blue Wemid			
Note		The rated voltage is reduced to 400 V when using the cross-connection		

	Type	**Qty.**	**Order No.**
	ZDKPE 2.5-2/N/L/PE	50	1895700000
	The rated voltage is reduced to 400 V when using the cross connection		

Accessories

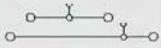
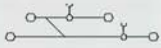
Cross-connection, pluggable		**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1908960000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	ZAP/TW ZDKPE2.5-2	2	20	1805960000
	blue Wemid				
End bracket			**width [mm]**		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot	ZTA 4		25	1688110000
Screwdrivers					
	with cutting device "swiftly set"	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000
	for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000
Cover					
	with lightning flash symbol	ZAD 1/4-2 GE		20	1764560000
	blank				
Labelling systems	(see large size x.tremt. in catalogue 7)				
	Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"					

Cross-connection, pluggable		**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole	ZQV 2.5/2	24	60	1608360000
	3-pole	ZQV 2.5/3	24	60	1608370000
	4-pole	ZQV 2.5/4	24	60	1608380000
	10-pole	ZQV 2.5/10	24	20	1608940000
	20-/24-pole	ZQV 2.5/20	24	20	1908960000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	ZAP/TW ZDKPE2.5-2	2	20	1805960000
	blue Wemid				
End bracket			**width [mm]**		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot	ZTA 4		25	1688110000
Screwdrivers					
	with cutting device "swiftly set"	SWIFTY		1	9006020000
	Standard	SD 0.6x3.5x100		1	9008330000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20	ZRH 1.5/1		1000	1678810000
	for conductors < 1.0 mm / AWG 18	ZRH 1.5/2		1000	1678800000
Cover					
	with lightning flash symbol	ZAD 1/4-2 GE		20	1764560000
	blank				
Labelling systems	(see large size x.tremt. in catalogue 7)				
	Marking tags	WS 10/5 / DEK 5			

Double/Multi level terminals

Roof-style

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZDK 4-2	4 mm²	ZDK 4-2 V	4 mm²
		Double level terminals		Vertically cross-connected double level terminal	
width x length x height with TS 35 x 7.5	mm	6.1 x 77.6 x 61		6.1 x 77.6 x 61	
max. current / max. cond. cross-section	A/mm²	32 / 6		32 / 6	
max. clamping range	mm²	0.13 ... 6		0.13 ... 6	

Technical data

		IEC 60947-7-1				IEC 60947-7-1			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600		800	600	600	
Rated current	A	32	25	30		32	25	30	
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10		4	AWG 26... 10	AWG 26... 10	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0			
Approvals		cULus							
Clamped conductors (H05V/H07V)		Rated connection		further connection		Rated connection		further connection	
Solid / stranded	mm²	0.5...6				0.5...6			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note									

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDK 4-2	50	8670750000	ZDK 4-2 V	50	8671080000
blue Wemid	ZDK 4-2 BL	50	8670850000	ZDK 4-2 V BL	50	8704360000
Note						

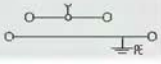
Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608950000	ZQV 4/2 GE	32	60	1608950000
3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1609010000	ZQV 4/20 GE	32	20	1609010000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP/TW ZDK 4-2	2	50	8670760000	ZAP/TW ZDK 4-2	2	50	8670760000
blue Wemid	ZAP/TW ZDK 4-2 BL	2	50	8670620000	ZAP/TW ZDK 4-2 BL	2	50	8670620000
End bracket		width [mm]				width [mm]		
dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter								
For testing wired terminal strips Standard								
with spigot	ZTA 6/ZA		25	1780660000	ZTA 6/ZA		25	1780660000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm / AWG 20								
for conductors < 1.0 mm / AWG 18								
Cover								
with lightning flash symbol	ZAD 1/4		20	1609110000	ZAD 1/4		20	1609110000
blank								
Labelling systems (see large size catalogue 7)								
Marking tags	DEK 6				DEK 6			
For detailed information on other accessories and applications see "Accessories"								

ZDK 4-2 DU/PE — 4 mm²

Phase - PE conductor

6.1 x 77.6 x 61
32 / 6
0.13 ... 6



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26... 10	AWG 26... 10	
	8 / 3		
	A3 / V-0		

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

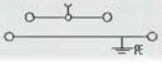
Type	Qty.	Order No.
ZDK 4-2/DU-PE	50	8671120000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608960000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP/TW ZDK 4-2	2	50	8670760000
ZAP/TW ZDK 4-2 BL	2	50	8670620000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZAD 1/4		20	1609110000
DEK 6			

ZDK 4-2/N/L — 4 mm²

Double level terminals

6.1 x 77.6 x 61
32 / 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26... 10	AWG 26... 10	
	8 / 3		
	A3 / V-0		

Rated connection	further connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5	

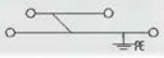
Type	Qty.	Order No.
ZDK 4-2/N/L	50	1905170000
upper level printed blue		

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608960000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP/TW ZDK 4-2	2	50	8670760000
ZAP/TW ZDK 4-2 BL	2	50	8670620000
	width [mm]		
ZEW 35	6	20	9540000000
ZTA 6/ZA		25	1780660000
SD 0.6x3.5x100		1	9008330000
ZAD 1/4		20	1609110000
DEK 6			

Roof-style

The compact terminal range for conductor cross-sections 0.13 to 16 mm²

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDK 2.5-2 PE	ZDK 4-2 PE
	2.5 mm²	4 mm²
	Four connections	Four connections
width x length x height with TS 35 x 7.5 mm	5.1 x 72.5 x 56	6.1 x 77.6 x 61
max. current / max. cond. cross-section A/mm²	/ 4	/ 6
max. clamping range mm²	0.05 ... 4	0.13 ... 6
		

Technical data

Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 30... 12		4	AWG 26... 10	AWG 26... 10	
Rated voltage to adjacent terminal	V	800				800			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Short-time withstand current	A	300 A (2.5 mm²)				480 A (4 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0				A3 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**			**Rated connection**	**further connection**		
Solid / stranded	mm²	0.5... 4				0.5...6			
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 1.5				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm								
Tightening torque range (frong screw)	Nm								
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool							

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	ZDK 2.5-2PE	50	1791010000	ZDK 4-2 PE	50	8671050000
Note						

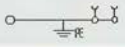
Accessories

End plate	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid	ZAP/TW ZDK2.5-2	2	20	1791050000	ZAP/TW ZDK 4-2	2	50	8670760000
End bracket		**width [mm]**				**width [mm]**		
dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Testing / Checking								
For testing wired terminal strips Standard								
with spigot	ZTA 4		25	1688110000	ZTA 6/ZA		25	1780680000
Screwdrivers								
with cutting device "swifty set"								
Standard	SD 0.5x3.0x80		1	9008320000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	ZRH 1.5H/1		1000	1678810000				
for conductors < 1.0 mm² / < AWG 18	ZRH 1.5H/2		1000	1678800000				
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 6			
For detailed information on other accessories and applications see "Accessories"								

ZPE 16-2/1AN — 16 mm²

Supply terminal - PE

12 x 65 x 51,5
/ 25
1.5 ... 25



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14... 4	AWG 14... 4	
800			
8			
	1920 A (16 mm²)		
	3		
	A7 / V-0		

Rated connection	further connection
1.5...10 / 16...25	
1.5...16 / 1.5...16	
18 / 1.0 x 5.5	

Rated voltage is reduced to 400 V or the rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	width [mm]	Qty.	Order No.
ZAP/Z... 16-2/1AN	2.5	10	1772970000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000

DEK 8

The plug-in cross connectors ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used

Standard model and Roof-style

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZTR 2.5	ZTR 2.5/3AN
	2.5 mm²	2.5 mm²
	Two connections	Three connections
width x length x height with TS 35 x 7.5 mm	5.1 x 59.5 x 41.5	5.1 x 79.5 x 41.5
max. current / max. cond. cross-section A/mm²	20 / 4	20 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4

Technical data

Rated data		ZTR 2.5				ZTR 2.5/3AN			
		IEC 60947-7-1 / VDE 0100-537				IEC 60947-7-1 / VDE 0100-537			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage, feed-through terminal	V	500	600	600		500	600	600	
Rated current	A	20	20	20		20	20	20	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 30... 12		2.5	AWG 30... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / stranded	mm²	0.5...4				0.5...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.				2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.
dark beige Weimid	ZTR 2.5	100	1831280000
blue Weimid	ZTR 2.5 BL	100	8731710000
without disconnector, dark beige Weimid	ZTR 2.5/O.TNHE	100	1831130000
Note			

Version	Type	Qty.	Order No.
dark beige Weimid	ZTR 2.5/3AN	100	8731720000
blue Weimid	ZTR 2.5/3AN BL	100	8731730000
without disconnector, dark beige Weimid	ZTR 2.5/3AN/O.TNHE	100	8728450000
Note			

Accessories

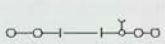
Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
End plate / Partition plate		**width [mm]**		
End plate dark beige Weimid	ZAP/TW 1	2	50	1608740000
Partition plate dark beige Weimid				
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
Standard	SD 0.6x3.5x100		1	9008330000
Test plug				
Plug dia. 2.3 mm	PS 2.3 RT		20	0180400000
Holder for cartridge fuse, 5 x 20mm				
400 V ac/dc, without LED	SIHA 3/G20		25	7921560000
10-36 V ac/dc, red LED	SIHA 3/G20/LD 10-36V		25	7921560000
140-250V ac/dc, red LED	SIHA 3/G20/LD 140-250V		25	7921560000
Module connector (max. 250 V)				
reversed insertion possible without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000
Disconnecting plug				
yellow Weimid	TNST		50	1833090000
Labeling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"	If the disconnection lever is replaced by the SIHA 3, this creates a fuse terminal.			

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
End plate / Partition plate		**width [mm]**		
End plate dark beige Weimid	ZAP/TW 3	2	50	1608800000
Partition plate dark beige Weimid				
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
Standard	SD 0.6x3.5x100		1	9008330000
Test plug				
Plug dia. 2.3 mm	PS 2.3 RT		20	0180400000
Holder for cartridge fuse, 5 x 20mm				
400 V ac/dc, without LED	SIHA 3/G20		25	7921560000
10-36 V ac/dc, red LED	SIHA 3/G20/LD 10-36V		25	7921560000
140-250V ac/dc, red LED	SIHA 3/G20/LD 140-250V		25	7921560000
Module connector (max. 250 V)				
reversed insertion possible without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000
Disconnecting plug				
yellow Weimid	TNST		50	1833090000
Labeling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"	If the disconnection lever is replaced by the SIHA 3, this creates a fuse terminal.			

ZTR 2.5/4AN — 2.5 mm²

Four connections

5.1 x 82.5 x 39.1
16 / 2.5
0.05 ... 2.5



IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5... 2.5
0.5... 2.5 / 0.5... 1.5
10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5/4AN	100	7920900000
ZTR 2.5/4AN BL	100	7920930000
ZTR 2.5/4AN/O.TNHE	100	7920960000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
ZAP/TW 3	2	50	1608800000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921580000
SIHA 3/G20/LD 140-250V		25	7921590000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

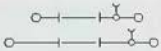
DEK 5 / WS 10/5

If the disconnection lever is replaced by the SIHA 3, this creates a fuse terminal.

ZDTR 2.5 — 2.5 mm²

Four connections

5.1 x 117 x 63
16 / 4
0.05 ... 4



IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5... 4
0.5... 4 / 0.5... 2.5
10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Type	Qty.	Order No.
ZDTR 2.5	20	1745400000
ZDTR 2.5 BL	20	1798330000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
	width [mm]		
AP ZDTR2.5	1.5	20	1745420000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
SIHA 2/G20		25	9537600000
SIHA 2/G20 10-36V		25	9537610000
SIHA 2/G20 140-250V		25	9537640000

DEK 5

If the disconnection lever is replaced by the SIHA 2, this creates a fuse terminal.

Standard model and Roof-style

	ZDL 2.5/TR/DU	2.5 mm²	ZDL 2.5/TR/DU/PE	2.5 mm²
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.				
width x length x height with TS 35 x 7.5 mm	5.1 x 95 x 48.5		5.1 x 95 x 48.5	
max. current / max. cond. cross-section A/mm²	/ 4		/ 4	
max. clamping range mm²	0.13 ... 4		0.13 ... 4	

Technical data

Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage, feed-through terminal	V	400	300	300		400	300	300	
Rated current	A	20	10	10		20	10	10	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12		2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-			4				4	
Gauge to IEC 60947-1 / UL94 Flammability class				A2 / V0				A2 / V0	
Approvals									
Clamped conductors (H05V/H07V)		Rated connection				Rated connection			
Solid / stranded	mm²	0.5...4				0.5...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5				8 / 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.				2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDL 2.5/TR/DU	50	1743190000	ZDL 2.5/TR/DU/PE	50	1743180000
blue Wemid						
without disconnector, dark beige Wemid						
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24	60	1693300000	ZQV 2.5N/2 GE	24	60	1693300000
3-pole	ZQV 2.5N/3 GE	24	60	1693310000	ZQV 2.5N/3 GE	24	60	1693310000
4-pole	ZQV 2.5N/4 GE	24	60	1693320000	ZQV 2.5N/4 GE	24	60	1693320000
10-pole	ZQV 2.5N/10 GE	24	20	1693330000	ZQV 2.5N/10 GE	24	20	1693330000
End plate / Partition plate		width [mm]				width [mm]		
End plate dark beige Wemid	ZAP ZDL2.5	1.5	20	1720910000	ZAP ZDL2.5	1.5	20	1720910000
Partition plate dark beige Wemid								
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Test plug								
Plug dia. 2.3 mm	PS 2.3 RT		20	0180400000	PS 2.3 RT		20	0180400000
Holder for cartridge fuse, 5 x 20mm								
400 V ac/dc, without LED	SIHA 3/G/20		25	7921560000	SIHA 3/G/20		25	7921560000
10-36 V ac/dc, red LED	SIHA 3/G/20/LD 10-36V		25	7921560000	SIHA 3/G/20/LD 10-36V		25	7921560000
140-250V ac/dc, red LED	SIHA 3/G/20/LD 140-250V		25	7921560000	SIHA 3/G/20/LD 140-250V		25	7921560000
Module connector (max. 250 V)								
reversed insertion possible without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnecting plug								
yellow Wemid	TNST		50	1833090000	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)								
Marking tags	DEK 5				DEK 5			
For detailed information on other accessories and applications see "Accessories"								

ZTR 2.5-2 — 2.5 mm²

Two connections

5.1 x 50.5 x 44
21 / 2.5
0.13 ... 2.5

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5... 2.5

0.5... 2.5 / 0.5... 1.5

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5-2	100	1779010000
ZTR 2.5-2 BL	100	1779120000
ZTR 2.5-2/O.TNHE	100	1779020000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608870000
ZQV 2.5/4	24	60	1608880000
ZQV 2.5/10	24	20	1608940000
	width [mm]		
ZAP/TW7	2.5	50	1706110000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1838100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1838090000

DEK 5 / WS 14/5

If the disconnector lever is replaced by the SIHA 2, this creates a fuse terminal.

Fuse terminals

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZSI 2.5 — 2.5 mm²

For metric fuses 5 x 20

ZSI 2.5/5x25 — 2.5 mm²

For metric fuses 5 x 25

width x length x height with TS 35 x 7.5	mm	7.9 x 79.5 x 74
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
max. clamping range	mm²	**0.13 ... 4**

width x length x height with TS 35 x 7.5	mm	7.9 x 79.5 x 74
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
max. clamping range	mm²	**0.13 ... 4**

Technical data

IEC 60947-7-3 / VDE 0611-6

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	500	600	600	
Rated current	6.3	10	15	
Rated cross-section	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / stranded		Rated connection		
Flexible / Flexible with wire end ferrule		0.5...4		
Tightening torque range (clamping screw)		0.5...4 / 0.5...2.5		
Stripping length / Blade size		10 / 0.6 x 3.5		
2 clamped cables with same cross-section (H05V/H07V)				
Solid / stranded				
Flexible / Flexible with wire end ferrule				
Note		Max. power loss (1.6 W) at the cartridge fuse limits the rated current		

IEC 60947-7-3 / VDE 0611-6

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	500	600	600	
Rated current	6.3	10	15	
Rated cross-section	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / stranded		Rated connection		
Flexible / Flexible with wire end ferrule		0.5...4		
Tightening torque range (clamping screw)		0.5...4 / 0.5...2.5		
Stripping length / Blade size		10 / 0.6 x 3.5		
2 clamped cables with same cross-section (H05V/H07V)				
Solid / stranded				
Flexible / Flexible with wire end ferrule				
Note		Max. power loss (1.6 W) at the cartridge fuse limits the rated current		

Ordering data

Version		Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	ZSI 2.5	50	1616400000
	10-36 V ac/dc, with LED	ZSI 2.5/LD 28AC	50	1616440000
	30-70V ac/dc, with LED	ZSI 2.5/LD 60AC	50	1616430000
	60-150 V ac/dc, with LED	ZSI 2.5/LD 120AC	50	1616420000
	140-250V ac/dc, with LED	ZSI 2.5/LD 250AC	50	1616410000
Note		For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV		

Type	Qty.	Order No.
ZSI 2.5/5X25	50	1730900000
For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41 A	60	1627850000
	3-pole	ZQV 6/3 GE	41 A	60	1627860000
	4-pole	ZQV 6/4 GE	41 A	60	1627870000
	10-pole				
End plate / Partition plate (after last terminal)			**width [mm]**		
	End plate, Wemid	ZAP/TW 3	2	50	1608300000
	Partition plate, Wemid				
Screwdrivers					
	Standard	SD 0.6x3.5x100		1	9008330000
Cartridge fuse, 5 x 20mm (IEC 60127-2)					
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A	0.5 A quick-blow	G 20/0.5A/F		10	0430600000
(at 250V / 50Hz / cos j = 0.7)	1 A quick-blow	G 20/1A/F		10	0430700000
	2 A quick-blow	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse					
G25 (DIN 41 576 / 250 V)	0.5 A medium time-lag / 2 A				
Rated voltage 250 V	1 A medium time-lag / 3 A				
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow /5 A				
Rated voltage 440 V	4 A quick-blow /10 A				
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Status indication via bidirectional LED. End plate for lever. ZAP TNHE/ZSI 1610840000			

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
	width [mm]		
ZAP/TW 3	2	50	1608300000
SD 0.6x3.5x100		1	9008330000
G 20/0.5A/M WS		10	0510300000
G 25/1A/M RT		10	0255800000
G 25/2A/F BL		10	0192700000
G 25/4A/F BR		10	0192800000
DEK 5 / WS 10/5			
End plate for fuse lever. ZAP TNHE/ZSI 1610840000			

ZSI 2.5/2 — 2.5 mm²

For imperial fuses

7.9 x 79.5 x 74
12 / 4
0.13 ... 4

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
500	600	600	
12	16	15	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5

Max. power loss (1.6 W) at the cartridge fuse limits the rated current

Type	Qty.	Order No.
ZSI 2.5/2 500AC	10	1616460000
ZSI 2.5/2/LD 28AC	10	1616470000
ZSI 2.5/2/LD 60AC	10	1616480000
ZSI 2.5/2/LD 120AC	10	1616490000
ZSI 2.5/2/LD 250AC	10	1616500000

For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.

Type	Current [A]	Qty.	Order No.
ZQS 2.5/2		20	1633200000
ZQS 2.5/3	10 A	20	1633210000
ZQS 2.5/4	10 A	20	1633220000

	width [mm]		
SD 0.6x3.5x100		1	9008330000
GZ 10.0A		10	0239900000

DEK 5 / WS 10/5

Status indication via bidirectional LED. Use imperial cartridge fuses

ZDL 2.5/SI/DU — 2.5 mm²

For metric fuses 5 x 20

5.1 x 95 x 98
6.3 / 4
0.13 ... 4

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
400	300	300	
6.3	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5

Max. power loss (1.6 W) at the cartridge fuse limits the rated current

Type	Qty.	Order No.
ZDL 2.5/SI/DU	25	1763180000
ZDL 2.5/SI/DU LD 36V	25	1763230000
ZDL 2.5/SI/DU LD 70V	25	1763240000
ZDL 2.5/SI/DU LD 150V	25	1763250000
ZDL 2.5/SI/DU LD 250V	25	1763260000

For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.

Type	Current [A]	Qty.	Order No.

	width [mm]		
ZAP ZDL2.5	1.5	20	1720910000
SD 0.6x3.5x100		1	9008330000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000

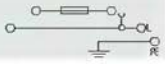
DEK 5

Status indication via bidirectional LED. It is not possible to use cross-connections on the upper level.

ZDL 2.5/SI/DU/PE — 2.5 mm²

For metric fuses 5 x 20

5.1 x 95 x 98
6.3 / 4
0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
400			
6.3			
2.5			
	6 / 3		
	A3 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5

Max. power loss (1.6 W) at the cartridge fuse limits the rated current

Type	Qty.	Order No.
ZDL 2.5/SI/DU/PE	25	1763170000
ZDL 2.5/SI/DU/PE LD 36V	25	1763190000
ZDL 2.5/SI/DU/PE LD 70V	25	1763200000
ZDL 2.5/SI/DU/PE LD150V	25	1763210000
ZDL 2.5/SI/DU/PE LD250V	25	1763220000

For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.

Type	Current [A]	Qty.	Order No.

	width [mm]		
ZAP ZDL2.5	1.5	20	1720910000
SD 0.6x3.5x100		1	9008330000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000

DEK 5

Status indication via bidirectional LED. It is not possible to use cross-connections on the upper level.

Fuse terminals

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZSI 2.5 2x2 AN — 2.5 mm²

For metric fuses 5 x 20 / 5 x 25

width x length x height with TS 35 x 7.5 mm	12.2 x 65 x 55
max. current / max. cond. cross-section A/mm²	10 / 4
max. clamping range mm²	0.18 ... 4

ZSI 6-2 — 6 mm²

For metric fuses 5 x 20 / 5 x 25

width x length x height with TS 35 x 7.5 mm	12.2 x 65 x 55
max. current / max. cond. cross-section A/mm²	10 / 4
max. clamping range mm²	0.13 ... 4

Technical data

Rated data		IEC 60947-7-3 / VDE 0611-6			
		IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	500	300	300	
Rated current	A	10	10	10	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5...4		0.5...4	
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5		0.5...4 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm	1.0 / 0.6 x 3.5		1.0 / 0.6 x 3.5	
Stripping length / Blade size	mm / -				
2 clamped cables with same cross-section (H05V/H07V)					
Solid / stranded	mm²				
Flexible / Flexible with wire end ferrule	mm²				
Note		The rated voltage of the fuse may not be exceeded, to UL & CSA 600 V / 5 A			

Rated data		IEC 60947-7-3 / VDE 0611-6			
		IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	500	300	300	
Rated current	A	10	10	10	
Rated cross-section	mm²	6	AWG 26... 8	AWG 26... 8	
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5...4		0.5...10	
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5		0.5...10 / 0.5...6	
Tightening torque range (clamping screw)	Nm	1.0 / 0.6 x 3.5		1.0 / 0.6 x 3.5	
Stripping length / Blade size	mm / -				
2 clamped cables with same cross-section (H05V/H07V)					
Solid / stranded	mm²				
Flexible / Flexible with wire end ferrule	mm²				
Note		The rated voltage of the fuse may not be exceeded, to UL 600 V / 5 A A 3 clamping point AWG 25-12, A 5 clamping point AWG 20-8			

Ordering data

Version		Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	ZSI 2.5-2/2X2/ANVG/20	20	1826050000
	10-36 V ac/dc, with LED	ZSI 2.5-2/2X2/ANVG/20/LD1	20	1867440000
	30-70V ac/dc, with LED	ZSI 2.5-2/2X2/ANVG/20/LD2	20	1867430000
	60-150 V ac/dc, with LED	ZSI 2.5-2/2X2/ANVG/20/LD3	20	1867420000
	140-250V ac/dc, with LED	ZSI 2.5-2/2X2/ANVG/20/LD4	20	1879730000
Note		G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25 G25 LED types on request		

Version		Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	ZSI 6-2 2X2.5/G20	20	1820930000
	10-36 V ac/dc, with LED	ZSI 6-2 2X2.5/G20/LD1	20	1867500000
	30-70V ac/dc, with LED	ZSI 6-2 2X2.5/G20/LD2	20	1867490000
	60-150 V ac/dc, with LED	ZSI 6-2 2X2.5/G20/LD3	20	1867480000
	140-250V ac/dc, with LED	ZSI 6-2 2X2.5/G20/LD4	20	1879750000
Note		G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25 G25 LED types on request		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41 A	60	1627850000
	3-pole				
	4-pole				
	10-pole				
End plate / Partition plate (after last terminal)			**width [mm]**		
	End plate, Wemid	ZAP ZDU6-2 SW	2.5	50	1814710000
	Partition plate, Wemid				
Screwdrivers					
	Standard	SD 0.6x3.5x100		1	9008330000
Cartridge fuse, 5 x 20mm (IEC 60127-2)					
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A (at 250V / 50Hz / cos j = 0.7)	0.5 A quick-blow	G 20/0.5A/F		10	0430600000
	1 A quick-blow	G 20/1A/F		10	0430700000
	2 A quick-blow	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse					
G25 (DIN 41 576 / 250 V)	0.5 A medium time-lag / 2 A	G 25/0.5A/M WS		10	0510300000
Rated voltage 250 V	1 A medium time-lag / 3 A	G 25/1A/M RT		10	0265800000
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow / 5 A	G 25/2A/F BL		10	0192700000
Rated voltage 440 V	4 A quick-blow / 10 A	G 25/4A/F BR		10	0192800000
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Status indication via neon lamp			

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4/2 GE	32 A	60	1603950000
	3-pole				
	4-pole				
	10-pole				
End plate / Partition plate (after last terminal)			**width [mm]**		
	End plate, Wemid	ZAP ZDU6-2 SW	2.5	50	1814710000
	Partition plate, Wemid				
Screwdrivers					
	Standard	SD 0.8x4.0x100		1	9008340000
Cartridge fuse, 5 x 20mm (IEC 60127-2)					
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A (at 250V / 50Hz / cos j = 0.7)	0.5 A quick-blow	G 20/0.5A/F		10	0430600000
	1 A quick-blow	G 20/1A/F		10	0430700000
	2 A quick-blow	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse					
G25 (DIN 41 576 / 250 V)	0.5 A medium time-lag / 2 A	G 25/0.5A/M WS		10	0510300000
Rated voltage 250 V	1 A medium time-lag / 3 A	G 25/1A/M RT		10	0265800000
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow / 5 A	G 25/2A/F BL		10	0192700000
Rated voltage 440 V	4 A quick-blow / 10 A	G 25/4A/F BR		10	0192800000
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Status indication via neon lamp			

ZSI 6-2/FC — 6 mm²

For car fuses

8.1 x 70 x 54.5
30 / 10
0.33 ... 10

IEC 60947-7-3 / DIN 72581-3

IEC	UL	CSA	EN 60079-7
250	300	300	
30	30	25	
6	AWG 22... 10	AWG 22... 10	
	6 / 3		
	A5 / V-0		

Rated connection

0.5... 10

0.5... 10 / 0.5... 6

10 / 4.0 x 0.8

If large conductor cross-sections are used, the thermal power loss of the fuses is better dissipated

Type	Qty.	Order No.
ZSI 6-2/FC	25	1814690000
ZSI 6-2/FC LD	25	1814700000

Continuous current at fuse max. 80% IN. For the cartridge fuse holder the rated voltage is 250 V, and the rated impulse withstand voltage 4 kV.

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
	width [mm]		
ZAP ZDU6-2 SW	2.5	50	1814710000
SD 0.8x4.0x100		1	9008340000

DEK 6 / WS 12/6

Status indication via bidirectional LED. Use Pudenz fuses. For ordering data for cartridge fuses, see page D 141.

N-cross-connections with busbar system 10 x 3 mm

ZDU 2.5 S — 2.5 mm²

Two connections

ZDU 4 S — 4 mm²

Two connections

		ZDU 2.5 S	ZDU 4 S
width x length x height with TS 35 x 7.5	mm	**5.1** x 61 x 44	**6.1** x 64.2 x 45.2
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**32 / 6**
max. clamping range	mm²	**0.13 ... 4**	**0.5 ... 6**

Technical data

Rated data		IEC 60947-7-1 IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	24			
Rated cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A2 / V-0		
Approvals					
Clamped conductors (H05V / H07V)		**Rated connection**			
Solid / stranded	mm²	0.5 ... 4			
Flexible / Flexible with wire end ferrule	mm²	0.5 ... 4 / 0.5 ... 2.5			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)			

Rated data		IEC 60947-7-1 IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	32			
Rated cross-section	mm²	4			
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					
Clamped conductors (H05V / H07V)		**Rated connection**			
Solid / stranded	mm²	0.5 ... 6			
Flexible / Flexible with wire end ferrule	mm²	0.5 ... 4 / 0.5 ... 4			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)			

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDU 2.5 S	100	1808010000
blue Wemid	ZDU 2.5 S BL	100	1808020000
Note	Spacing between mounting plates should be 200mm		

Version	Type	Qty.	Order No.
dark beige Wemid	ZDU 4 S	100	1808360000
blue Wemid	ZDU 4 S BL	100	1808370000
Note	Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608870000
4-pole	ZQV 2.5/4	24	60	1608880000
10-pole	ZQV 2.5/10	24	20	1608940000
20-/24-pole	ZQV 2.5/20	24	20	1908960000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDU 2.5 S	2	20	1808030000
blue Wemid	ZAP ZDU 2.5 S BL	2	20	1808040000
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP S	3	20	1808290000
for vertical installation position	ZHP S SO	3	20	1808280000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm				
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²				
rigid / flexible 6 - 16 / 4mm²				
flexible 16 - 35mm²				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608950000
3-pole	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDU 4 S	2	20	1808380000
blue Wemid	ZAP ZDU 4 S BL	2	20	1808390000
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP S	3	20	1808290000
for vertical installation position	ZHP S SO	3	20	1808280000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008330000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm				
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²				
rigid / flexible 6 - 16 / 4mm²				
flexible 16 - 35mm²				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"				

ZDU 6S — 6 mm²

Two connections

8.1 x 64.2 x 49.2
41 / 10
0.5 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 / 3		
	A5 / V-0		

Rated connection
0.5... 10
0.5... 10 / 0.5... 6
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 6 S	100	1808230000
ZDU 6 S BL	100	1808240000
Spacing between mounting plates should be 200mm		

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDU 6 S	2	20	1808250000
ZAP ZDU 6 S BL	2	20	1808260000
	width [mm]		
ZHP S	3	20	1808290000
ZHP S SO	3	20	1808280000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.8x4.0x100		1	9008340000
	width [mm]		

DEK 8 / WS 10/6

ZDU 10/S — 10 mm²

Two connections

10 x 86.5 x 48.5
76 / 16
1.5 ... 16

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
57	60	55	
10	AWG 16... 6	AWG 16... 6	
	6 / 3		
	A6 / V-0		

Rated connection
1.5... 16 / 1.5... 16
1.5... 10 / 1.5... 10
18 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10S	25	1739540000
ZDU 10S BL	25	1739550000
Spacing between mounting plates should be 200mm		

Type	Current [A]	Qty.	Order No.
ZQV 10/2	57	25	1739680000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.6x150		1	9008350000
	width [mm]		

DEK 5

ZDU 16/S — 16 mm²

Two connections

12 x 95 x 48.5
76 / 25
1.5 ... 25

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	65	65	
16	AWG 14... 4	AWG 14... 4	
	6 / 3		
	A7 / V-0		

Rated connection
1.5... 16 / 16... 25
1.5... 16 / 1.5... 16
18 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)

Type	Qty.	Order No.
ZDU 16S	25	1739580000
ZDU 16S BL	25	1739590000
Spacing between mounting plates should be 200mm		

Type	Current [A]	Qty.	Order No.
ZQV 16/2	76	25	1739690000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.6x150		1	9008350000
	width [mm]		

DEK 5

N-cross-connections with busbar system 10 x 3 mm

ZNT 2.5 S — 2.5 mm²

Two connections

ZNT 4 S — 4 mm²

Two connections

		ZNT 2.5 S	ZNT 4 S
width x length x height with TS 35 x 7.5	mm	5.1 x 61 x 44	6.1 x 64.2 x 45.2
max. current / max. cond. cross-section	A/mm²	24 / 4	32 / 6
max. clamping range	mm²	0.13 ... 4	0.5 ... 6

Technical data

		ZNT 2.5 S	ZNT 4 S
Rated data		VDE 0611-6	VDE 0611-6
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	250	250
Rated current	A	24	32
Rated cross-section	mm²	2.5	4
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A3 / V-0
Approvals			
Clamped conductors (H05V / H07V)		Rated connection	Rated connection
Solid / stranded	mm²	0.5...4	0.5...6
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)

Ordering data

Version	ZNT 2.5 S Type	Qty.	Order No.	ZNT 4 S Type	Qty.	Order No.
dark beige Wemid						
blue Wemid	ZNT 2.5 S	100	1808300000	ZNT 4 S	100	1808310000
Note	Spacing between mounting plates should be 200mm			Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	ZNT 2.5 S Type	Current [A]	Qty.	Order No.	ZNT 4 S Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000	ZQV 4/2 GE	32	60	1608950000
3-pole	ZQV 2.5/3	24	60	1608370000	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 2.5/4	24	60	1608380000	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 2.5/10	24	20	1608940000	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 2.5/20	24	20	1908960000	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP ZDU 2.5 S	2	20	1808030000	ZAP ZDU 4 S	2	20	1808380000
blue Wemid	ZAP ZDU 2.5 S BL	2	20	1808040000	ZAP ZDU 4 S BL	2	20	1808390000
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	ZHP S	3	20	1808290000	ZHP S	3	20	1808290000
for vertical installation position	ZHP S SO	3	20	1808280000	ZHP S SO	3	20	1808280000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 6 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"								

ZNT 6 S — 6 mm²

Two connections

8.1 x 64.2 x 49.2
41 / 10
0.5 ... 10

VDE 0611-5

IEC	UL	CSA	EN 60079-7
250			
41			
6			
	4 / 3		
	A5 / V-0		

Rated connection
0.5... 10
0.5... 10 / 0.5... 6
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 6 S	100	1808320000
Spacing between mounting plates should be 200mm		

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDU 6 S	2	20	1808250000
ZAP ZDU 6 S BL	2	20	1808260000
	width [mm]		
ZHP S	3	20	1808290000
ZHP S SO	3	20	1808280000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.8x4.0x100		1	9008340000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 8 / WS 10/6			

ZNT 10 S — 10 mm²

Two connections

10 x 86.5 x 50
/ 16
1.5 ... 16

VDE 0611-5

IEC	UL	CSA	EN 60079-7
400	600	600	
57	60	55	
10	AWG 16... 6	AWG 16... 6	
	6 / 3		
	A6 / V-0		

Rated connection
1.5... 16 / 1.5... 16
1.5... 10 / 1.5... 10
18 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 10S	25	1739560000
Spacing between mounting plates should be 200mm		

Type	Current [A]	Qty.	Order No.
ZQV 16/2	76	25	1739690000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5			

N-cross-connections with busbar system 10 x 3 mm

ZNT 16/S — 16 mm²

Two connections

ZNT 35 — 35 mm²

Two connections

	ZNT 16/S	ZNT 35
width x length x height with TS 35 x 7.5 mm	12 x 95 x 50	16 x 100.5 x 59
max. current / max. cond. cross-section A/mm²	76 / 25	125 / 35
max. clamping range mm²	1.5 ... 25	2.5 ... 35

Technical data

Rated data		ZNT 16/S	ZNT 35
Rated voltage	V	400	400
Rated current	A	76	125
Rated cross-section	mm²	16	35
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A7 / V-0	A8 / V-0
Approvals			

VDE 0611-5

IEC	UL	CSA	EN 60079-7	ZNT 16/S	ZNT 35
400	600	600			
76	65	65			
16	AWG 14... 4	AWG 14... 4			
				Rated connection	Rated connection
				1.5... 16 / 16... 25	2.5... 10 / 16... 35
				1.5... 16 / 1.5... 16	2.5... 35 / 2.5... 35
				18 / 1.0 x 5.5	25 / 1.0 x 5.5

VDE 0611-5

IEC	UL	CSA	EN 60079-7
400	600	300	
125	120	120	
35	AWG 12... 2	AWG 12... 2	

Clamped conductions (H05V / H07V)		ZNT 16/S	ZNT 35
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Stripping length / Blade size	mm / -		
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZNT 16S	25	1739600000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Type	Qty.	Order No.
ZNT 35	10	1739640000
Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 16/2	76	25	1739690000
3-pole				
4-pole				
10-pole				
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDU10/16S	2	20	1739660000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35/M6X16		20	0266500000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"				

Type	Current [A]	Qty.	Order No.
	width [mm]		
	width [mm]		
ZHP ZW BL	3	20	1745180000
ZHP ZW SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5			
End plate is integrated			

ZDU 4 NT — 4 mm²

Modified busbar position

6.1 x 76.3 x 49.5
32 / 6
0.5 ... 6

VDE 0611-5

IEC	UL	CSA	EN 60079-7
250	300	300	
32	10	10	
4	AWG 26... 10	AWG 26... 10	
	4 / 3		
	A4 / V-0		

Rated connection

0.5...6
0.5...4 / 0.5...4
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 4/NT DB	50	1778080000
ZDU 4/NT	50	1757980000

Only for use with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP ZDU4/NT	1.5	20	1757970000
	width [mm]		
ZHP ZDU4/NT SO	5	20	1803890000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5 / WS 15/5			

ZDU 10 NT — 10 mm²

Modified busbar position

10 x 86.5 x 50
57 / 16
1.5 ... 16

VDE 0611-5

IEC	UL	CSA	EN 60079-7
250			
57			
10	AWG 16... 6	AWG 16... 6	
	4 / 3		
	A6 / V-0		

Rated connection

1.5...10 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10/NT	25	1762420000

Only for use with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type	Current [A]	Qty.	Order No.
ZQV 10/2	57	25	1739680000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP ZDU4/NT SO	5	20	1803890000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0X5.5X150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5 / WS 12/5			

N-cross-connections with busbar system 10 x 3 mm

	ZPE 2.5 S	ZPE 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
width x length x height with TS 35 x 7.5 mm	5.1 x 61 x 44	6.1 x 64.2 x 45.2
max. current / max. cond. cross-section A/mm²	/ 4	/ 6
max. clamping range mm²	0.13 ... 4	0.5 ... 6

Technical data

		IEC 60947-7-2				IEC 60947-7-2			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	400				400			
Rated current	A								
Rated cross-section	mm²	2.5				4			
Rated impulse withstand voltage / Pollution severity	kV/-			6 / 3				6 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class				A2 / V-0				A3 / V-0	
Approvals									
Clamped conductors (H05V/H07V)		Rated connection				Rated connection			
Solid / stranded	mm²	0.5... 4				0.5...6			
Flexible / Flexible with wire-end ferrule	mm²	0.5... 4 / 0.5... 2.5				0.5...4 / 0.5... 4			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)				The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZPE 2.5 S	100	1808330000	ZPE 4 S	100	1808340000
blue Wemid						
Note	Spacing between mounting plates should be 200mm			Spacing between mounting plates should be 200mm		

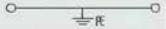
Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole								
3-pole								
4-pole								
10-pole								
20-/24-pole								
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP ZDU 2.5 S	2	20	1808030000	ZAP ZDU 4 S	2	20	1808380000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	ZHP S	3	20	1808290000	ZHP S	3	20	1808290000
for vertical installation position	ZHP S SO	3	20	1808280000	ZHP S SO	3	20	1808280000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm								
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²								
rigid / flexible 6 - 16 / 4mm²								
flexible 16 - 35mm²								
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 10/5				DEK 6 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"								

ZPE 6 S — 6 mm²

Two connections

8.1 x 64.2 x 49.2
/ 10
0.5 ... 10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
6			
	6 / 3		
	A5 / V-0		

Rated connection
0.5... 10
0.5... 10 / 0.5... 6
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 6 S	100	1808350000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP ZDU 6 S	2	20	1808250000
	width [mm]		
ZHP S	3	20	1808290000
ZHP S SO	3	20	1808280000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
	width [mm]		

DEK 8 / WS 10/6

ZPE 10/S — 10 mm²

Two connections

10 x 86.5 x 48.5
/ 16
1.5 ... 16

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
10	AWG 16... 6	AWG 16... 6	
	6 / 3		
	A6 / V-0		

Rated connection
1.5... 16 / 1.5... 16
1.5... 10 / 1.5... 10
18 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 10S	25	1739570000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 10/2	57	25	1739680000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
	width [mm]		

DEK 5

ZPE 16/S — 16 mm²

Two connections

12 x 95 x 48
/ 25
1.5 ... 25

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
16	AWG 14... 4	AWG 14... 4	
	6 / 3		
	A7 / V-0		

Rated connection
1.5... 16 / 16... 25
1.5... 16 / 1.5... 16
18 / 1.0 x 5.5

To maintain the current-carrying capacity of the terminal rail, use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16S	25	1739610000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 16/2	76	25	1739690000
	width [mm]		
ZAP ZDU10/16S	2	20	1739660000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
	width [mm]		

DEK 5

N-cross-connections with busbar system
10 x 3 mm

ZDL 2.5/S/NT/L/PE — 2.5 mm²

Neutral conductor disconnection - phase - PE

ZDL 2.5/S/L/L — 2.5 mm²

Phase - phase

width x length x height with TS 35 x 7.5	mm	**5.1** x 95 x 48.5	**5.1** x 95 x 48.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**24 / 4**
max. clamping range	mm²	**0.13 ... 4**	**0.13 ... 4**

Technical data

Rated data		IEC 60947-7-1 (-7-2) / VDE 0611-4				IEC 60947-7-1 / VDE 0611-4			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300		400	300	300	
Rated current	A	24	10	10		24	10	10	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12		2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0				A2 / V-0			
Approvals									
Clamped conductors (H05V / H07V)		**Rated connection**				**Rated connection**			
Solid / stranded	mm²	0.5...4				0.5...4			
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5				8 / 0.6 x 3.5			
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDL 2.5/S/NT/L/PE	50	1720750000	ZDL 2.5 S/L/L	50	1720760000
blue Wemid						
Note	Spacing between mounting plates should be 200mm			Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693800000	ZQV 2.5/N/2 GE	24	60	1693800000
3-pole	ZQV 2.5/N/3 GE	24	60	1693810000	ZQV 2.5/N/3 GE	24	60	1693810000
4-pole	ZQV 2.5/N/4 GE	24	60	1693820000	ZQV 2.5/N/4 GE	24	60	1693820000
10-pole	ZQV 2.5/N/10 GE	24	20	1693830000	ZQV 2.5/N/10 GE	24	20	1693830000
20-/24-pole	ZQV 2.5/N/20 GE	24	20	1909000000	ZQV 2.5/N/20 GE	24	20	1909000000
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	ZAP ZDL2.5	1.5	20	1720910000	ZAP ZDL2.5S	1.5	20	1720900000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**				**width [mm]**		
blue Wemid	ZHP ZDL2.5S BL	3	20	1720890000	ZHP ZDL2.5S BL	3	20	1720890000
for vertical installation position	ZHP Z/W SO	5	20	1781070000	ZHP Z/W SO	5	20	1781070000
End bracket		**width [mm]**				**width [mm]**		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**				**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475330000	ZB 4K BL		50	0475330000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502330000	ZB 16K BL		50	0502330000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5				DEK 5			
For detailed information on other accessories and applications see "Accessories"	The supply to the busbars via a busbar connector (ZB 35, ZB 16 or ZF 4S).				The supply to the busbars via a busbar connector (ZB 35, ZB 16 or ZF 4S).			

ZDL 2.5/S/N — 2.5 mm²

Neutral conductor

5.1 x 95 x 48.5
24 / 4
0.13 ... 4

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDL 2.5 S/N	50	1720770000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5S	1.5	20	1720900000
	width [mm]		
ZHP ZDL2.5S BL	3	20	1720890000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

DEK 5

The supply to the busbars via a busbar connection (ZB 35, ZB 16 or ZF 4S).

ZDL 2.5/S/L — 2.5 mm²

Phase

5.1 x 95 x 48.5
24 / 4
0.13 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDL 2.5 S/L	50	1720780000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5S	1.5	20	1720900000
	width [mm]		
ZHP ZDL2.5S BL	3	20	1720890000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

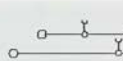
DEK 5

The supply to the busbars via a busbar connection (ZB 35, ZB 16 or ZF 4S).

ZDL 2.5/S/N/L — 2.5 mm²

Neutral conductor - phase

5.1 x 95 x 48.5
24 / 4
0.13 ... 4



IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection

0.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDL 2.5 S/N/L	50	1720790000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5S	1.5	20	1720900000
	width [mm]		
ZHP ZDL2.5S BL	3	20	1720890000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

DEK 5

The supply to the busbars via a busbar connection (ZB 35, ZB 16 or ZF 4S).

N-cross-connections with busbar system 10 x 3 mm

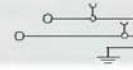
ZDL 2.5/S/N/L/PE — 2.5 mm²

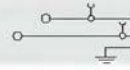
Neutral conductor - phase - PE

ZDL 2.5/S/L/L/PE — 2.5 mm²

Phase - phase - PE

width x length x height with TS 35 x 7.5	mm	**5.1** x 95 x 48.5	**5.1** x 95 x 48.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**24 / 4**
max. clamping range	mm²	**0.13 ... 4**	**0.13 ... 4**





Technical data

IEC 60947-7-1 (-7-2) / VDE 0611-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300	
Rated current A	24	10	10	
Rated cross-section mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / stranded mm²	Rated connection 0.5...4			
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5			
Stripping length / Blade size mm / -	8 / 0.6 x 3.5			
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

IEC 60947-7-1 (-7-2) / VDE 0611-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300	
Rated current A	24	10	10	
Rated cross-section mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / stranded mm²	Rated connection 0.5...4			
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5			
Stripping length / Blade size mm / -	8 / 0.6 x 3.5			
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDL 2.5/S/N/L/PE	50	1720800000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Version	Type	Qty.	Order No.
dark beige Wemid	ZDL 2.5/S/L/L/PE	50	1720810000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693800000
3-pole	ZQV 2.5/N/3 GE	24	60	1693810000
4-pole	ZQV 2.5/N/4 GE	24	60	1693820000
10-pole	ZQV 2.5/N/10 GE	24	20	1693830000
20-/24-pole	ZQV 2.5/N/20 GE	24	20	1909000000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDL2.5/S	1.5	20	1720900000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZDL2.5/S BL	3	20	1720890000
for vertical installation position	ZHP Z/W SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"	The supply to the busbars via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693800000
3-pole	ZQV 2.5/N/3 GE	24	60	1693810000
4-pole	ZQV 2.5/N/4 GE	24	60	1693820000
10-pole	ZQV 2.5/N/10 GE	24	20	1693830000
20-/24-pole	ZQV 2.5/N/20 GE	24	20	1909000000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDL2.5/S	1.5	20	1720900000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZDL2.5/S BL	3	20	1720890000
for vertical installation position	ZHP Z/W SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"	The supply to the busbars via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Electrical distribution with plug-in cross-connection

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZDL 2.5/NT/L/PE — 2.5 mm²

Neutral conductor disconnection - phase - PE

ZDL 2.5/L/L — 2.5 mm²

Phase - phase

		ZDL 2.5/NT/L/PE	ZDL 2.5/L/L
width x length x height with TS 35 x 7.5	mm	5.1 x 95 x 48.5	5.1 x 95 x 48.5
max. current / max. cond. cross-section	A/mm²	20 / 4	24 / 4
max. clamping range	mm²	0.13 ... 4	0.13 ... 4

Technical data

IEC 60947-7-1 (-7-2) / VDE 0611-4

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	20	10	10	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0			
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...4	
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	

Note	
	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
6 / 3			
A2 / V-0			

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	
8 / 0.6 x 3.5	

Note	
	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool

Ordering data

Version		Type	Qty.	Order No.
	dark beige Wemid	ZDL 2.5/NT/L/PE	50	1720820000
	blue Wemid			

Note	

Version		Type	Qty.	Order No.
	dark beige Wemid	ZDL 2.5/L/L	50	1720830000

Note	

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5N/2 GE	24	60	1693800000
	3-pole	ZQV 2.5N/3 GE	24	60	1693810000
	4-pole	ZQV 2.5N/4 GE	24	60	1693820000
	10-pole	ZQV 2.5N/10 GE	24	20	1693880000
	20-/24-pole	ZQV 2.5N/20 GE	24	20	1909000000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	ZAP ZDL2.5	1.5	20	1720910000
	blue Wemid				
End bracket			**width [mm]**		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 0.6x3.5x100		1	9008380000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20				
	for conductors < 1.0 mm / AWG 18				
Cover					
	with lightning flash symbol				
	blank				
Labelling systems	(see large selection in catalogue 7)				
	Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"					

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5N/2 GE	24	60	1693800000
	3-pole	ZQV 2.5N/3 GE	24	60	1693810000
	4-pole	ZQV 2.5N/4 GE	24	60	1693820000
	10-pole	ZQV 2.5N/10 GE	24	20	1693880000
	20-/24-pole	ZQV 2.5N/20 GE	24	20	1909000000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	ZAP ZDL2.5	1.5	20	1720910000
	blue Wemid				
End bracket			**width [mm]**		
	dark beige Wemid	ZEW 35	6	20	9540000000
Test adapter					
For testing wired terminal strips	Standard				
	with spigot				
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 0.6x3.5x100		1	9008380000
Reducing sleeves					
	for conductors < 0.5 mm / AWG 20				
	for conductors < 1.0 mm / AWG 18				
Cover					
	with lightning flash symbol				
	blank				
Labelling systems	(see large selection in catalogue 7)				
	Marking tags	DEK 5			

Electrical distribution with plug-in cross-connection

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDL 2.5/N	ZDL 2.5/L
	2.5 mm²	2.5 mm²
	Neutral conductor	Phase
width x length x height with TS 35 x 7.5 mm	5.1 x 95 x 48.5	5.1 x 95 x 48.5
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
max. clamping range mm²	0.13 ... 4	0.13 ... 4

Technical data

Rated data		ZDL 2.5/N	ZDL 2.5/L
		IEC 60947-7-1	IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	400 / 300 / 300	400 / 300 / 300
Rated current	A	24 / 10 / 10	24 / 10 / 10
Rated cross-section	mm²	2.5 / AWG 26... 12 / AWG 26... 12	2.5 / AWG 26... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals			
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	8 / 0.6 x 3.5
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	ZDL 2.5/N	50	1720340000	ZDL 2.5/L	50	1720350000
	blue Wemid						
Note							

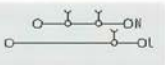
Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5N/2 GE	24	60	1693300000	ZQV 2.5N/2 GE	24	60	1693300000
	3-pole	ZQV 2.5N/3 GE	24	60	1693310000	ZQV 2.5N/3 GE	24	60	1693310000
	4-pole	ZQV 2.5N/4 GE	24	60	1693320000	ZQV 2.5N/4 GE	24	60	1693320000
	10-pole	ZQV 2.5N/10 GE	24	20	1693330000	ZQV 2.5N/10 GE	24	20	1693330000
	20-/24-pole	ZQV 2.5N/20 GE	24	20	1909000000	ZQV 2.5N/20 GE	24	20	1909000000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP ZDL2.5	1.5	20	1720910000	ZAP ZDL2.5	1.5	20	1720910000
	blue Wemid								
End bracket			width [mm]				width [mm]		
	dark beige Wemid	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Test adapter									
For testing wired terminal strips	Standard								
	with spigot								
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20								
	for conductors < 1.0 mm / AWG 18								
Cover									
	with lightning flash symbol								
	blank								
Labelling systems	(see large size format in catalogue 7)								
	Marking tags	DEK 5				DEK 5			
For detailed information on other accessories and applications see "Accessories"									

ZDL 2.5/N/L — 2.5 mm²

Neutral conductor - phase

5.1 x 95 x 48.5
24 / 4
0.13 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	

8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

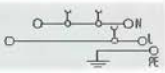
Type	Qty.	Order No.
ZDL 2.5/N/L	50	1720860000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5	1.5	20	1720910000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
DEK 5			

ZDL 2.5/N/L/PE — 2.5 mm²

Neutral conductor - phase - PE

5.1 x 95 x 48.5
24 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	4 / 3		
	A2 / V-0		

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	

8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

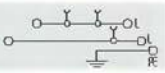
Type	Qty.	Order No.
ZDL 2.5/N/L/PE	50	1720870000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5	1.5	20	1720910000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
DEK 5			

ZDL 2.5/L/L/PE — 2.5 mm²

Phase - phase - PE

5.1 x 95 x 48.5
24 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
24	10	10	
2.5	AWG 26... 12	AWG 26... 12	
	4 / 3		
	A2 / V-0		

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...2.5	

8 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDL 2.5/L/L/PE	50	1720880000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP ZDL2.5	1.5	20	1720910000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
DEK 5			

N-cross-connections with busbar system
10 x 3 mm

ZDK 4/S/L/L — 4 mm²

Phase - phase

ZDK 4/ S/N/L — 4 mm²

Neutral conductor - phase

		ZDK 4/S/L/L	ZDK 4/ S/N/L
width x length x height with TS 35 x 7.5	mm	6.1 x 122 x 50.5	6.1 x 122 x 50.5
max. current / max. cond. cross-section	A/mm²	32 / 6	32 / 6
max. clamping range	mm²	0.13 ... 6	0.13 ... 6

Technical data

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300		
Rated current	A	32	33		
Rated cross-section	mm²	4	AWG 26... 10		
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A4 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5...6			
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...4			
Stripping length / Blade size	mm / -	12 / 0.6 x 3.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300		
Rated current	A	32	33		
Rated cross-section	mm²	4	AWG 26... 10		
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A4 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5...6			
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...4			
Stripping length / Blade size	mm / -	12 / 0.6 x 3.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 4S/L/L	50	1733290000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 4S/N/L	50	1733460000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608950000
3-pole	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1609010000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDK4/6S	2	20	1733240000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608950000
3-pole	ZQV 4/3 GE	32	60	1608960000
4-pole	ZQV 4/4 GE	32	60	1608970000
10-pole	ZQV 4/10 GE	32	20	1609030000
20-/24-pole	ZQV 4/20 GE	32	20	1609010000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDK4/6S	2	20	1733240000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			
For detailed information on other accessories and applications see "Accessories"				

ZDK 4/S/NT — 4 mm²

Neutral conductor disconnection

6.1 x 122 x 50.5
32 / 6
0.13 ... 6

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
250			
32			
4			
4 / 3			
A4 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDK 4S/NT	50	1733280000

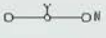
Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5			

ZDK 4/S/N — 4 mm²

Neutral conductor

6.1 x 122 x 50.5
32 / 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A4 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDK 4S/N	50	1733450000

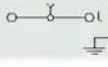
Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5			

ZDK 4/S/L/PE — 4 mm²

Phase - PE conductor

6.1 x 122 x 50.5
32 / 6
0.13 ... 6



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 / 3			
A4 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 0.6 x 3.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDK 4S/L/PE	50	1733300000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP Z/W BL	3	20	1745180000
ZHP Z/W SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000
DEK 5			

N-cross-connections with busbar system 10 x 3 mm

	ZDK 4/S/N/PE	ZDK 6/S/L/L
	4 mm²	6 mm²
	Neutral conductor - PE	Phase - phase
width x length x height with TS 35 x 7.5 mm	6.1 x 122 x 50.5	8.1 x 124 x 50.5
max. current / max. cond. cross-section A/mm²	32 / 6	41 / 10
max. clamping range mm²	0.13 ... 6	0.33 ... 10

Technical data

	IEC 60947-7-1 (-7-2)				IEC 60947-7-1			
Rated data	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	400				400	300		
Rated current A	32				41	38		
Rated cross-section mm²	4				6	AWG 22... 8		
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3				6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A4 / V-0				A5 / V-0		
Approvals								
Clamped conductors (H05V/H07V)	Rated connection				Rated connection			
Solid / stranded mm²	0.5... 6				0.5... 10			
Flexible / Flexible with wire-end ferrule mm²	0.5... 6 / 0.5... 4				0.5... 6 / 0.5... 6			
Stripping length / Blade size mm / -	12 / 0.6 x 3.5				12 / 1.0 x 5.5			
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).				The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDK 4S/N/PE	50	1733470000	ZDK 6S/L/L	25	1733260000
blue Wemid						
Note	Spacing between mounting plates should be 200mm			Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4/2 GE	32	60	1608950000	ZQV 6/2 GE	41	60	1627850000
3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 6/3 GE	41	60	1627860000
4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 6/4 GE	41	60	1627870000
10-pole	ZQV 4/10 GE	32	20	1609030000				
20-/24-pole	ZQV 4/20 GE	32	20	1909010000	ZQV 6/24 GE	41	10	1908990000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	ZAP ZDK4/6S	2	20	1733240000	ZAP ZDK4/6S	2	20	1733240000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid	ZHP ZW BL	3	20	1745180000	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000	ZHP ZW SO	5	20	1781070000
End bracket		width [mm]				width [mm]		
dark beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008380000	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)								
Marking tags	DEK 5				DEK 8			
For detailed information on other accessories and applications see "Accessories"								

ZDK 6/S/N/L — 6 mm²

Neutral conductor - phase

8 x 124 x 50.5
41 / 10
0.21 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300		
41	38		
6	AWG 22... 8		
	6 / 3		
	A5 / V-0		

Rated connection
0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDK 6S/N/L	25	1733490000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP ZAV BL	3	20	1745180000
ZHP ZAV SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

DEK 8

ZDK 6/S/NT — 6 mm²

Neutral conductor disconnection

8.1 x 124 x 50.5
41 / 10
0.33 ... 10

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
250			
41			
6			
	4 / 3		
	A5 / V-0		

Rated connection
0.5...10
0.5...6 / 0.5...6
12 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDK 6S/NT	25	1733250000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP ZAV BL	3	20	1745180000
ZHP ZAV SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

DEK 8

ZDK 6/S/N — 6 mm²

Neutral conductor

8.1 x 124 x 50.5
41 / 10
0.33 ... 10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 / 3		
	A5 / V-0		

Rated connection
0.5...10
0.5...6 / 0.5...6
12 / 1.0 x 5.5

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S)

Type	Qty.	Order No.
ZDK 6S/N	25	1733490000

Spacing between mounting plates should be 200mm

Type	Current [A]	Qty.	Order No.
ZQV 6/2 GE	41	60	1627850000
ZQV 6/3 GE	41	60	1627860000
ZQV 6/4 GE	41	60	1627870000
ZQV 6/24 GE	41	10	1908990000
	width [mm]		
ZAP ZDK4/6S	2	20	1733240000
	width [mm]		
ZHP ZAV BL	3	20	1745180000
ZHP ZAV SO	5	20	1781070000
	width [mm]		
ZEW 35	6	20	9540000000
SD 1.0x5.5x150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502380000
ZB 35K BL M6X16		20	0502680000

DEK 8

N-cross-connections with busbar system 10 x 3 mm

ZDK 6/S/L/PE — 6 mm²

Phase - PE conductor

ZDK 6/S/N/PE — 6 mm²

Neutral conductor - phase

		ZDK 6/S/L/PE	ZDK 6/S/N/PE
width x length x height with TS 35 x 7.5	mm	8.1 x 124 x 50.5	8.1 x 124 x 50.5
max. current / max. cond. cross-section	A/mm²	41 / 10	41 / 10
max. clamping range	mm²	0.33 ... 10	0.21 ... 10

Technical data

Rated data		IEC 60947-7-1 (-7-2) IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	41			
Rated cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A5 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5... 10			
Flexible / Flexible with wire-end ferrule	mm²	0.5...6 / 0.5...6			
Stripping length / Blade size	mm / -	12 / 1.0 x 5.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Rated data		IEC 60947-7-1 (-7-2) IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	41			
Rated cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A5 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5... 10			
Flexible / Flexible with wire-end ferrule	mm²	0.5...6 / 0.5...6			
Stripping length / Blade size	mm / -	12 / 1.0 x 5.5			
Note		The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 6S/L/PE	25	1733270000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Version	Type	Qty.	Order No.
dark beige Wemid	ZDK 6S/N/PE	25	1733500000
blue Wemid			
Note	Spacing between mounting plates should be 200mm		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 6/2 GE	41	60	1627850000
3-pole	ZQV 6/3 GE	41	60	1627860000
4-pole	ZQV 6/4 GE	41	60	1627870000
10-pole				
20-/24-pole	ZQV 6/24 GE	41	10	1908990000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDK4/6S	2	20	1733240000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 8			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 6/2 GE	41	60	1627850000
3-pole	ZQV 6/3 GE	41	60	1627860000
4-pole	ZQV 6/4 GE	41	60	1627870000
10-pole				
20-/24-pole	ZQV 6/24 GE	41	10	1908990000
End plate / Partition plate		**width [mm]**		
dark beige Wemid	ZAP ZDK4/6S	2	20	1733240000
blue Wemid				
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	ZHP ZW BL	3	20	1745180000
for vertical installation position	ZHP ZW SO	5	20	1781070000
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4K BL		50	0475380000
rigid / flexible 6 - 16 / 4mm²	ZB 16K BL		50	0502380000
flexible 16 - 35mm²	ZB 35K BL M6X16		20	0502680000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 8			
For detailed information on other accessories and applications see "Accessories"				

WeiCoS

Pluggable terminals with tension clamp

The need was clearly defined: a means of rapidly and correctly connecting prefabricated functional units – such as lamps and door controls, roll back looms and control cabinets – to the existing installation. The solution: Weidmüller's pluggable terminal system.

The basic principle is beautifully simple:

One DIN terminal rail for the functional unit and one plug-in connector for producing the cable harness. In the final assembly, the two units are simply snapped into each other – like plug-in connectors. That's all there is to it!

Whether for traffic, mechanical engineering or shipbuilding, Weidmüller's Z series offers all these areas optimum service. It is quick, reliable and simple to connect, ensures trouble-free handling and is practical in system use. Modular and flexible connection technology is required particularly where entire functional units are to be prefabricated or re-assembled.

This is where WeiCoS comes in – **W**eidmüller **C**onnection **S**ystem – the new generation of pluggable terminals.
Here Weidmüller has attached great importance to cleverly thought out technology.

The convincing advantages of this technology:
Quick mounting, functional units tested in the factory, quick and easy replacement or on-site re-assemble, of functional units.

Rational installation of modular components

Modular components form the basic elements of production systems according to the modular principle. They bring dramatic reductions in costly final assembly time and allow for rapid replacement during maintenance and servicing. WeiCoS is tailor-made for these applications.

Product overview

Rated cross-section	2.5 mm²	4 mm²
Feed-through terminals		
1 tension clamp connection / 1 pluggable connection	•	•
2 tension clamp connections / 1 pluggable connection	•	
2 tension clamp connections / 2 pluggable connections	•	•
4 pluggable connections	•	
Protective earth terminals		
1 tension clamp connection / 1 pluggable connection	•	•
2 tension clamp connections / 1 pluggable connection	•	
2 tension clamp connections / 2 pluggable connections	•	•
4 pluggable connections	•	
Double level terminals		
Feed-through	•	
Feed-through / protective earth	•	
Protective earth	•	
Disconnect terminals		
2 tension clamp connections / 2 pluggable connections	•	
Plug-in connector		
1 tension clamp connection without cross-connection channel	•	•
1 tension clamp connection with cross-connection channel	•	
2 tension clamp connections with cross-connection channel	•	

1 The tension clamp connection

The terminal has a tension clamp connector providing galvanic isolation.

- Steel tension clamp provides optimum contact forces
- Copper busbars for minimum through resistance

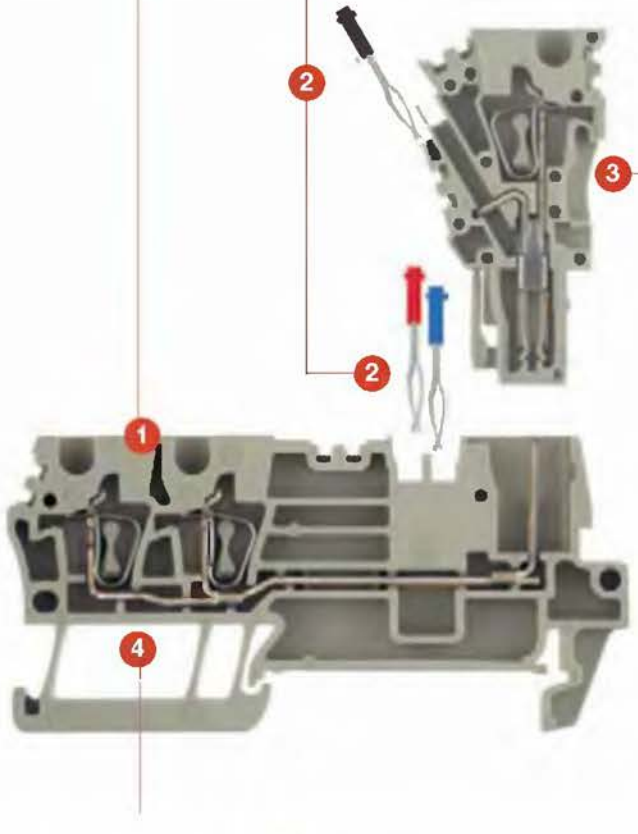
2 Pluggable cross-connection

- 2- to 10-pole or "continuous" for individual assembly
- Full rated current
- Breakout poles for alternate terminals
- Up to three potentials possible

3 The pluggable connection

The tensioned steel contact is also in accordance with Weidmüller's principle of separating electrical and mechanical functions for galvanic isolation.

- Maintenance-free connection
- 100% vibration proof
- High contact forces



Wemid insulation

- Resistant to creepage CTI 600
- Temperature resistant up to 120°C
- Flammability class V0 to UL94
- Halogen and phosphorous free

Safe contacts

- Maintenance-free connection for lifelong safe contact
- Gas-proof contact area
- Surface-treated busbar for protection from oxidation
- 100% vibration proof

4 Easy to use

Practical connection with parallel conductor inset and screwdriver actuation:

- No special tools needed
- Integral test point
- Generous clamping range to IEC 601984

Supply

Supply comes from standard Z-Series terminals or a supply terminal e.g. ZEI 16.

Safe locking

Locking elements safely connect all plug-in connectors with the basic terminal.

Feed-through terminals

WeiCoS - plug-in modular terminals for conductor cross-sections 0.13 to 4 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZT 2.5/2AN/1 — 2.5 mm²

1 tension clamp conn. / 1 push-on conn.

ZT 2.5/3AN/1 — 2.5 mm²

2 tension clamp conn. / 1 push-on conn.

		ZT 2.5/2AN/1	ZT 2.5/3AN/1
width x length x height with TS 35 x 7.5	mm	**5.1** x 58 x 35	**5.1** x 71.5 x 35
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**24 / 4**
max. clamping range	mm²	**0.13 ... 4**	**0.13 ... 4**

Technical data

IEC 60947-7-1 / IEC 61984

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
max. voltage of clamp support & pluggable system	V	690			
Rated current	A	24	20	20	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	

Note

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

IEC 60947-7-1 / IEC 61984

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
max. voltage of clamp support & pluggable system	V	690			
Rated current	A	24	20	20	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	

Note

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid		ZT 2.5/2AN/1	50	1815070000	ZT 2.5/3AN/1	50	1815090000
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QN/1	50	1815190000	ZP 2.5/1AN/QN/1	50	1815190000
	2-pole	ZP 2.5/1AN/QN/2	25	1815200000	ZP 2.5/1AN/QN/2	25	1815200000
	3-pole	ZP 2.5/1AN/QN/3	25	1815210000	ZP 2.5/1AN/QN/3	25	1815210000
	4-pole	ZP 2.5/1AN/QN/4	25	1815220000	ZP 2.5/1AN/QN/4	25	1815220000
	5-pole	ZP 2.5/1AN/QN/5	25	1815230000	ZP 2.5/1AN/QN/5	25	1815230000
	6-pole	ZP 2.5/1AN/QN/6	25	1815240000	ZP 2.5/1AN/QN/6	25	1815240000
	8-pole	ZP 2.5/1AN/QN/8	20	1815260000	ZP 2.5/1AN/QN/8	20	1815260000
	10-pole	ZP 2.5/1AN/QN/10	20	1815280000	ZP 2.5/1AN/QN/10	20	1815280000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/N/2 GE	24	60	1693800000	ZQV 2.5/N/2 GE	24	60	1693800000
	3-pole	ZQV 2.5/N/3 GE	24	60	1693810000	ZQV 2.5/N/3 GE	24	60	1693810000
	4-pole	ZQV 2.5/N/4 GE	24	60	1693820000	ZQV 2.5/N/4 GE	24	60	1693820000
	10-pole	ZQV 2.5/N/10 GE	24	20	1693830000	ZQV 2.5/N/10 GE	24	20	1693830000
	20-pole	ZQV 2.5/N/20 GE	24	20	1909090000	ZQV 2.5/N/20 GE	24	20	1909090000
End plate			width [mm]				width [mm]		
dark beige Wemid		ZAP/TW ZT 2.5/2AN	2.5	50	1816030000	ZAP/TW ZT 2.5/3AN	2.5	50	1816050000
orange Wemid		ZAP/TW ZT 2.5/2AN OR	2.5	50	1816040000	ZAP/TW ZT 2.5/3AN OR	2.5	50	1816060000
Test adapter									
Standard		ZTA ZT 2.5		25	1827080000	ZTA ZT 2.5		25	1827080000
with spigot		ZTA ZT 2.5/ZA		25	1847600000	ZTA ZT 2.5/ZA		25	1847600000
Miscellaneous accessories, WeiCoS									
Locking element		ZVR ZP 2.5		25	1816130000	ZVR ZP 2.5		25	1816130000
Coding element		KOSF ZT 2.5		50	1816150000	KOSF ZT 2.5		50	1816150000
Strain relief		ZZE ZP 2.5		25	1816140000	ZZE ZP 2.5		25	1816140000
Screwdrivers									
with cutting device "swiftly set"									
Standard		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Labelling systems (see large assortment in catalogue 7)									
Marking tags		DEK 5				DEK 5 / WS 10/5			

For detailed information on other accessories and applications see "Accessories"

ZT 2.5/4AN/2 — 2.5 mm²

2 tension clamp conn. / 2 push-on conn.

5.1 x 93 x 35
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	A2 / V-0		

Rated connection	pluggable connection
0.5...4	0.5...4
0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/2	50	1815110000
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP/TW ZT 2.5/4AN/2	2.5	50	1816070000
ZAP/TW ZT 2.5/4AN/2 OR	2.5	50	1816080000
ZTA ZT 2.5		25	1827080000
ZTA ZT 2.5/ZA		25	1847600000
ZVR ZP 2.5		25	1816130000
KOSF ZT 2.5		50	1816150000
ZZE ZP 2.5		25	1816140000
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/5

ZT 2.5/4AN/4 — 2.5 mm²

4 push-on connections

5.1 x 85.5 x 35
24

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26... 12	AWG 26... 12	
	6 / 3		
	/ V-0		

Rated connection	pluggable connection
0.5...4	0.5...4
0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
/ 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/4	50	1815130000
ZP 2.5/1AN/1	50	1815430000
ZP 2.5/1AN/2	25	1815440000
ZP 2.5/1AN/3	25	1815450000
ZP 2.5/1AN/4	25	1815500000
ZP 2.5/1AN/5	25	1815510000
ZP 2.5/1AN/6	25	1815520000
ZP 2.5/1AN/8	20	1815540000
ZP 2.5/1AN/10	20	1815560000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP/TW ZT 2.5/4AN/4	2.5	50	1816090000
ZAP/TW ZT 2.5/4AN/4 OR	2.5	50	1816100000
ZTA ZT 2.5		25	1827080000
ZTA ZT 2.5/ZA		25	1847600000
ZVR ZP 2.5		25	1816130000
KOSF ZT 2.5		50	1816150000
ZZE ZP 2.5		25	1816140000
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/5

ZTC 2.5/4AN/4 — 2.5 mm²

4 push-on connections

5.1 x 85.5 x 45.4
/ 2.5
0.22 ... 2.5

IEC	UL	CSA	EN 60079-7
250			
24			
2.5			
		4 / 2	

Rated connection	pluggable connection
0.22...2.5	

Type	Qty.	Order No.
ZTC 2.5/4AN/4	50	1898450000
STGH ZPC 2.5 DB	50	2321640000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	width [mm]		
ZAP/TW ZT 2.5/4AN/4	2.5	50	1816090000
ZAP/TW ZT 2.5/4AN/4 OR	2.5	50	1816100000

DEK 5 / WS 10/5

Feed-through terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZT 4/2AN/1 — 4 mm²

1 tension clamp conn. / 1 push-on conn.

width x length x height with TS 35 x 7.5 mm	6.5 x 58 x 48.5
max. current / max. cond. cross-section A/mm²	32 / 6
max. clamping range mm²	0.13 ... 6

ZT 4/4AN/2 — 4 mm²

2 tension clamp conn. / 2 push-on conn.

width x length x height with TS 35 x 7.5 mm	6.5 x 93 x 48.5
max. current / max. cond. cross-section A/mm²	32 / 6
max. clamping range mm²	0.13 ... 6

Technical data

IEC 60947-7-1 / IEC 61984

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
max. voltage of clamp support & pluggable system	V				
Rated current	A	32	28	28	
Rated cross-section	mm²	4	AWG 26 ... 10	AWG 26 ... 10	
Rated impulse withstand voltage / Pollution severity	kV/-	8			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0			
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire-end ferrule	mm²	0.5...6 / 0.5...4	
Stripping length / Blade size	mm / -	12 / 0.6 x 3.5	
Note			

IEC 60947-7-1 / IEC 61984

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
max. voltage of clamp support & pluggable system	V				
Rated current	A	32	28	28	
Rated cross-section	mm²	4	AWG 26 ... 10	AWG 26 ... 10	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0			
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire-end ferrule	mm²	0.5...6 / 0.5...4	
Stripping length / Blade size	mm / -	12 / 0.6 x 3.5	
Note			

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid		ZT 4/2AN/1	50	1854960000	ZT 4/4AN/2	50	1848350000
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 4/1AN/1	50	1848340000	ZP 4/1AN/1	50	1848340000
	2-pole	ZP 4/1AN/2	25	1854990000	ZP 4/1AN/2	25	1854990000
	3-pole	ZP 4/1AN/3	25	1855000000	ZP 4/1AN/3	25	1855000000
	4-pole	ZP 4/1AN/4	25	1855010000	ZP 4/1AN/4	25	1855010000
	5-pole	ZP 4/1AN/5	20	1855020000	ZP 4/1AN/5	20	1855020000
	6-pole	ZP 4/1AN/6	20	1855030000	ZP 4/1AN/6	20	1855030000
	8-pole	ZP 4/1AN/8	20	1855050000	ZP 4/1AN/8	20	1855050000
	10-pole	ZP 4/1AN/10	10	1855070000	ZP 4/1AN/10	10	1855070000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4/2 GE	32	60	1608950000	ZQV 4/2 GE	32	60	1608950000
	3-pole								
	4-pole								
	10-pole								
	20-pole								
End plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZT4/2AN		50	1855220000	ZAP/TW ZT4/4AN/2		50	1848360000
	orange Wemid	ZAP/TW ZT4/2AN OR		50	1855230000	ZAP/TW ZT4/4AN/2 OR		50	1855240000
Test adapter									
	Standard								
	with spigot								
Miscellaneous accessories, WeiCoS									
	Locking element	ZVR ZP4		25	1855250000	ZVR ZP4		25	1855250000
	Coding element	KOSF ZT4		50	1856860000	KOSF ZT4		50	1856860000
	Strain relief	ZZE ZP4		25	1855260000	ZZE ZP4		25	1855260000
Screwdrivers									
	with cutting device "swifty set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Labelling systems (see large assortment in catalogue 7)									
	Marking tags	DEK 5 / WS 10/6				DEK 5 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

Modular PE terminals

WeiCoS - plug-in modular terminals for conductor cross-sections 0.13 to 4 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZTPE 2.5/2AN/1	2.5 mm²	ZTPE 2.5/3AN/1	2.5 mm²
	1 tension clamp conn. / 1 push-on conn.		2 tension clamp conn. / 1 push-on conn.	
width x length x height with TS 35 x 7.5 mm	5.1 x 58 x 35		5.1 x 71.5 x 35	
max. current / max. cond. cross-section A/mm²	/ 4		/ 4	
max. clamping range mm²	0.13 ... 4		0.13 ... 4	

Technical data

Rated data		IEC 60947-7-2 IEC	UL	CSA	EN 60079-7	IEC 60947-7-2 IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12		2.5	AWG 26... 12	AWG 26... 12	
max. current of clamp support & pluggable system	V	500				500			
Rated voltage to adjacent terminal	V	6				6			
Rated impulse withstand voltage to adjacent terminal	kV	300 A (2.5 mm²)				300 A (2.5 mm²)			
Short-time withstand current	A	3				3			
Pollution severity, adjacent terminal		A2 / V-0				A2 / V-0			
Gauge to IEC 60947-1 / UL94 Flammability class									
Approvals									

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection	Rated connection	pluggable connection
Solid / stranded	mm²	0.5...4	0.5...4	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm	10 / 0.6 x 3.5		10 / 0.6 x 3.5	
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A	

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid		ZTPE 2.5/2AN/1	50	1815080000	ZTPE 2.5/3AN/1	50	1815100000
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QV/1 GN	50	1820570000	ZP 2.5/1AN/QV/1 GN	50	1820570000
	2-pole						
	3-pole						
	4-pole						
	5-pole						
	6-pole						
(ZP 2,5/1AN/QV/1)	10-pole						
Note							

Accessories

End plate		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid		ZAP/TW ZT 2.5/2AN	2.5	50	1816080000	ZAP/TW ZT 2.5/3AN	2.5	50	1816050000
orange PA		ZAP/TW ZT 2.5/2AN OR	2.5	50	1816040000	ZAP/TW ZT 2.5/3AN OR	2.5	50	1816060000
Test adapter									
Standard		ZTA ZT 2.5		25	1827080000	ZTA ZT 2.5		25	1827080000
with spigot		ZTA ZT 2.5/ZA		25	1847600000	ZTA ZT 2.5/ZA		25	1847600000
Miscellaneous accessories									
Locking element, yellow		ZVR ZP 2.5		25	1816130000	ZVR ZP 2.5		25	1816130000
Coding element, yellow		KOSF ZT 2.5		50	1816150000	KOSF ZT 2.5		50	1816150000
Strain relief, yellow		ZZE ZP 2.5		25	1816140000	ZZE ZP 2.5		25	1816140000
Screwdrivers									
with cutting device "swiftly set"									
Standard		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Rail support									
Arrangement of terminal rails in totally insulated systems		SH 2		10	0494920000	SH 2		10	0494920000
Marking systems (see large assortment in catalogue 7)									
Marking tags		DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

ZTPE 2.5/4AN/2 — 2.5 mm²

2 tension clamp conn. / 2 push-on conn.

5.1 x 93 x 35
/ 4
0.13 ... 4

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 26... 12	AWG 26... 12	

	500
	6
	300 A (2.5 mm²)
	3
	A2 / V-0

Rated connection	pluggable connection
0.5...4	0.5...4
0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool. UL&CSA: D = 600 V / 5 A

Type	Qty.	Order No.
ZTPE 2.5/4AN/2	50	1815120000
ZP 2.5/1AN/GY/1 GN	50	1820570000

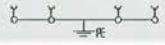
Type	width [mm]	Qty.	Order No.
ZAP/TW ZT2.5/4AN/2	2.5	50	1816070000
ZAP/TW ZT2.5/4AN/2 CR	2.5	50	1816080000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SD 0.6x3.5x100		1	9008330000
SH 2		10	0494920000

DEK 5 / WS 10/5

ZTPE 2.5/4AN/4 — 2.5 mm²

4 push-on connections

5.1 x 85.5 x 35
/ 4
0.13 ... 4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			

	500
	6
	300 A (2.5 mm²)
	3
	A2 / V-0

Rated connection	pluggable connection
0.5...4	0.5...4
0.5...4...2.5	0.5...4 / 0.5...2.5
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool. UL&CSA: D = 600 V / 5 A

Type	Qty.	Order No.
ZTPE 2.5/4AN/4	50	1815140000
ZP 2.5/1AN/1 GN	50	1820580000

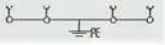
Type	width [mm]	Qty.	Order No.
ZAP/TW ZT2.5/4AN/4	2.5	50	1816090000
ZAP/TW ZT2.5/4AN/4 CR	2.5	50	1816100000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SD 0.6x3.5x100		1	9008330000
SH 2		10	0494920000

DEK 5 / WS 10/5

ZTCPE 2.5/4AN/4 — 2.5 mm²

4 push-on connections

5.1 x 85.5 x 45.4
/ 2.5
0.22 ... 2.5



IEC	UL	CSA	EN 60079-7
2.5			

	250
	4
	300 A (2.5 mm²)
	2

Rated connection	pluggable connection
0.22...2.5	

Type	Qty.	Order No.
ZTCPE 2.5/4AN/4	50	1893430000
STGH ZPC2.5 DB	50	2321640000

Type	width [mm]	Qty.	Order No.
ZAP/TW ZT2.5/4AN/4	2.5	50	1816090000
ZAP/TW ZT2.5/4AN/4 CR	2.5	50	1816100000

DEK 5 / WS 10/5

Modular PE terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZTPE 4/2AN/1 — 4 mm²

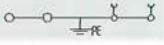
1 tension clamp conn. / 1 push-on conn.

ZTPE 4/4AN/2 — 4 mm²

2 tension clamp conn. / 2 push-on conn.

width x length x height with TS 35 x 7.5	mm	6.5 x 58 x 48.5
max. current / max. cond. cross-section	A/mm²	/ 6
max. clamping range	mm²	0.5 ... 6

width x length x height with TS 35 x 7.5	mm	6.5 x 100.5 x 48.5
max. current / max. cond. cross-section	A/mm²	/ 6
max. clamping range	mm²	0.5 ... 6



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	4	AWG 26... 10		
max. current of clamp support & pluggable system	V				
Rated voltage to adjacent terminal	V		800		
Rated impulse withstand voltage to adjacent terminal	kV		8		
Short-time withstand current	A		480 A (4 mm²)		
Pollution severity, adjacent terminal			3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...6 / 0.5...4	
Stripping length / Blade size	mm	12 / 0.6 x 3.5	

Note

Rated data		IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	4	AWG 26... 10		
max. current of clamp support & pluggable system	V				
Rated voltage to adjacent terminal	V		800		
Rated impulse withstand voltage to adjacent terminal	kV		8		
Short-time withstand current	A		480 A (4 mm²)		
Pollution severity, adjacent terminal			3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...6 / 0.5...4	
Stripping length / Blade size	mm	12 / 0.6 x 3.5	

Note

Ordering data

Base terminal	Type	Qty.	Order No.
green/yellow Wemid	ZTPE 4/2AN/1	50	1854970000
pluggable connector			
For detailed information on all variations see "Accessories" 1-pole	ZP 4/1AN/1 GN	50	1854980000
2-pole			
3-pole			
4-pole			
5-pole			
6-pole			
(ZP 2,5/1AN/QV/1) 10-pole			
Note			

Base terminal	Type	Qty.	Order No.
green/yellow Wemid	ZTPE 4/4AN/2	50	1848390000
pluggable connector			
For detailed information on all variations see "Accessories" 1-pole	ZP 4/1AN/1 GN	50	1854980000
2-pole			
3-pole			
4-pole			
5-pole			
6-pole			
(ZP 2,5/1AN/QV/1) 10-pole			
Note			

Accessories

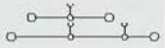
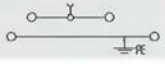
End plate	Type	width [mm]	Qty.	Order No.
dark beige Wemid	ZAP/TW ZT4/2AN		50	1855220000
orange PA	ZAP/TW ZT4/2AN OR		50	1855230000
Test adapter				
Standard				
with spigot				
Miscellaneous accessories				
Locking element, yellow	ZVR ZP4		25	1855250000
Coding element, yellow	KOSF ZT4		50	1856860000
Strain relief, yellow	ZZE ZP4		25	1855260000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008330000
Rail support				
Arrangement of terminal rails in totally insulated systems				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"				

End plate	Type	width [mm]	Qty.	Order No.
dark beige Wemid	ZAP/TW ZT4/4AN/2		50	1848390000
orange PA	ZAP/TW ZT4/4AN/2 OR		50	1855240000
Test adapter				
Standard				
with spigot				
Miscellaneous accessories				
Locking element, yellow	ZVR ZP4		25	1855250000
Coding element, yellow	KOSF ZT4		50	1856860000
Strain relief, yellow	ZZE ZP4		25	1855260000
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.6x3.5x100		1	9008330000
Rail support				
Arrangement of terminal rails in totally insulated systems				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/6			
For detailed information on other accessories and applications see "Accessories"				

Double level terminals

WeiCoS - plug-in modular terminals for conductor cross-sections 0.13 to 4 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZDT 2.5/2 — 2.5 mm²	ZDT 2.5/2 DU-PE — 2.5 mm²
		Two potentials feasible	Phase - PE conductor
width x length x height with TS 35 x 7.5	mm	5.1 x 80.5 x 52.5	5.1 x 80.5 x 52.5
max. current / max. cond. cross-section	A/mm²	24 / 4	24 / 4
max. clamping range	mm²	0.13 ... 4	0.13 ... 4
			

Technical data

Rated data		IEC 60947-7-1 / IEC 61984				IEC 60947-7-1 / IEC 61984			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300		500	300	300	
max. voltage of clamp support & pluggable system	V	690				690			
Rated current	A	24	20	20		24	20	20	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12		2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0				A2 / V-0			
Approvals									

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection	Rated connection	pluggable connection
Solid / stranded	mm²	0.5...4	0.5...4	0.5...4	0.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5		10 / 0.6 x 3.5	
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	ZDT 2.5/2	50	1815150000	ZDT 2.5/2 DU-PE	50	1815160000
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QN/1	50	1815190000	ZP 2.5/1AN/QN/1	50	1815190000
	2-pole	ZP 2.5/1AN/QN/2	25	1815200000	ZP 2.5/1AN/QN/2	25	1815200000
	3-pole	ZP 2.5/1AN/QN/3	25	1815210000	ZP 2.5/1AN/QN/3	25	1815210000
	4-pole	ZP 2.5/1AN/QN/4	25	1815220000	ZP 2.5/1AN/QN/4	25	1815220000
	5-pole	ZP 2.5/1AN/QN/5	25	1815230000	ZP 2.5/1AN/QN/5	25	1815230000
	6-pole	ZP 2.5/1AN/QN/6	25	1815240000	ZP 2.5/1AN/QN/6	25	1815240000
	8-pole	ZP 2.5/1AN/QN/8	20	1815260000	ZP 2.5/1AN/QN/8	20	1815260000
	10-pole	ZP 2.5/1AN/QN/10	20	1815280000	ZP 2.5/1AN/QN/10	20	1815280000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5N/2 GE	24	60	1693800000	ZQV 2.5N/2 GE	24	60	1693800000
	3-pole	ZQV 2.5N/3 GE	24	60	1693810000	ZQV 2.5N/3 GE	24	60	1693810000
	4-pole	ZQV 2.5N/4 GE	24	60	1693820000	ZQV 2.5N/4 GE	24	60	1693820000
	10-pole	ZQV 2.5N/10 GE	24	20	1693830000	ZQV 2.5N/10 GE	24	20	1693830000
	20-pole	ZQV 2.5N/20 GE	24	20	1909000000	ZQV 2.5N/20 GE	24	20	1909000000
End plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZDT 2.5/2	2.5	50	1816110000	ZAP/TW ZDT 2.5/2	2.5	50	1816110000
	orange Wemid	ZAP/TW ZDT 2.5/2 OR	2.5	50	1816120000	ZAP/TW ZDT 2.5/2 OR	2.5	50	1816120000
Test adapter									
	Standard	ZTA ZT 2.5		25	1827080000	ZTA ZT 2.5		25	1827080000
	with spigot	ZTA ZT 2.5/ZA		25	1847600000	ZTA ZT 2.5/ZA		25	1847600000
Miscellaneous accessories, WeiCoS									
	Locking element	ZVR ZP 2.5		25	1816130000	ZVR ZP 2.5		25	1816130000
	Coding element	KOSF ZT 2.5		50	1816150000	KOSF ZT 2.5		50	1816150000
	Strain relief	ZZE ZP 2.5		25	1816140000	ZZE ZP 2.5		25	1816140000
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Labelling systems (see large assortment in catalogue 7)									
	Marking tags	DEK 5				DEK 5			
For detailed information on other accessories and applications see "Accessories"									

Double level terminals

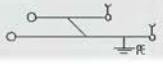
WeiCoS - plug-in modular terminals for conductor cross-sections 0.13 to 4 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZDT 2.5/2 PE — 2.5 mm²

2 tension clamp conn. / 2 push-on conn.

width x length x height with TS 35 x 7.5 mm	**5.1** x 80.5 x 52.5
max. current / max. cond. cross-section A/mm²	**/ 4**
max. clamping range mm²	**0.13 ... 4**



Technical data

IEC 60947-7-2

Rated data		IEC	UL	CSA	EN 60079-7
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
max. current of clamp support & pluggable system	V		500		
Rated voltage to adjacent terminal	V		6		
Rated impulse withstand voltage to adjacent terminal	kV		300 A (2.5 mm²)		
Short-time withstand current	A		3		
Pollution severity, adjacent terminal			A2 / V-0		
Gauge to IEC 60947-1 / UL94 Flammability class					
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm	10 / 0.6 x 3.5	

Note

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Ordering data

Base terminal		Type	Qty.	Order No.
green/yellow Wemid		ZDT 2.5/2 PE	50	1815170000
pluggable connector				
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QV/1 GN	50	1820570000
	2-pole			
	3-pole			
	4-pole			
	5-pole			
	6-pole			
(ZP 2,5/1AN/QV/1)	10-pole			

Note

Accessories

End plate	Type	width [mm]	Qty.	Order No.
dark beige Wemid	ZAP/TW ZDT 2.5/2	2.5	50	1816110000
orange PA	ZAP/TW ZDT 2.5/2 CR	2.5	50	1816120000
Test adapter				
Standard	ZTA ZT 2.5		25	1827080000
with spigot	ZTA ZT 2.5/ZA		25	1847600000
Miscellaneous accessories				
Locking element, yellow	ZVR ZP 2.5		25	1816130000
Coding element, yellow	KOSF ZT 2.5		50	1816150000
Strain relief, yellow	ZZE ZP 2.5		25	1816140000
Screwdrivers				
with cutting device "swifty set"				
Standard	SD 0.6x3.5x100		1	9008330000
Rail support				
Arrangement of terminal rails in totally insulated systems	SH 2		10	0494920000
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 10/5			

For detailed information on other accessories and applications see "Accessories"

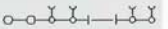
Modular disconnect terminals

ZTTR 2.5 — **2.5 mm²**

2 tension clamp conn. / 1 push-on conn.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

width x length x height with TS 35 x 7.5 mm	**5.1** x 87 x 36.5
max. current / max. cond. cross-section A/mm²	**18 / 4**
max. clamping range mm²	**0.13 ... 4**



Technical data

IEC 60947-7-1 / IEC 61984

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage, feed-through terminal V	400	600	600	
Rated current A	16	16	16	
Rated cross-section mm²	2.5	AWG 26 ... 12	AWG 26 ... 12	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / stranded mm²	0.5 ... 4
Flexible / Flexible with wire end ferrule mm²	0.5 ... 4 / 0.5 ... 2.5
Tightening torque range (clamping screw) Nm	
Stripping length / Blade size mm / -	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)	
Solid / stranded mm²	
Flexible / Flexible with wire end ferrule mm²	
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	ZTTR 2.5	50	1865510000
blue Wemid			
without disconnector, dark beige Wemid	ZTTR 2.5/O TNHE	50	1905470000
Note			

Accessories

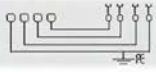
Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24	50	1693300000
3-pole	ZQV 2.5N/3 GE	24	50	1693310000
4-pole	ZQV 2.5N/4 GE	24	50	1693320000
10-pole	ZQV 2.5N/10 GE	24	20	1693330000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	ZAP/TW ZTTR2.5		50	1865520000
Partition plate dark beige Wemid				
End bracket		**width [mm]**		
dark beige	ZEW 35	6	20	9540000000
Screwdrivers				
Standard	SD 0.6x3.5x100		1	9008330000
Test plug				
Plug dia. 2.3 mm	PS 2.3 RT		20	0180400000
Holder for cartridge fuse, 5 x 20mm				
400 V ac/dc, without LED	SIHA 3/G20		25	7921560000
10-36 V ac/dc, red LED	SIHA 3/G20/LD 10-36V		25	7921560000
140-250V ac/dc, red LED	SIHA 3/G20/LD 140-250V		25	7921560000
Module connector (max. 250 V)				
reversed insertion possible without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000
Disconnecting plug				
yellow Wemid	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5			

For detailed information on other accessories and applications see "Accessories"

Feed-through terminals

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZRV 1.5	ZRV 1.5/PE
		1.5 mm²	1.5 mm²
		Base terminal - plug	Base terminal - plug
width x length x height with TS 35 x 7.5	mm	5.1 x 89,5 x 52	5.1 x 89,5 x 52
max. current / max. conductor	A/mm²	/ 2.5	/ 2.5
max. clamping range	mm²	0.33 ... 2.5	0.33 ... 2.5
			

Technical data

IEC 60947-7-1 / VDE 0627

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	63	150		
Rated current	A	4	10		
Rated cross-section	mm²	1.5	AWG 26... 14		
Rated impulse withstand voltage / Pollution severity	kV/-		2 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A1 / V-0		
Approvals					

Clamped conductors (H05V / H07V)		Rated connection	Crimp connection
Solid / stranded	mm²	0.5... 2.5	
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 1.5	0.2... 1
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	

IEC 60947-7-1 (-7-2) / VDE 0627

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	63			
Rated current	A	4			
Rated cross-section	mm²	1.5	AWG 26... 14		
Rated impulse withstand voltage / Pollution severity	kV/-		2 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A1 / V-0		
Approvals					

Clamped conductors (H05V / H07V)		Rated connection	Crimp connection
Solid / stranded	mm²	0.5... 2.5	
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 1.5	0.2... 1
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	

Note

Ordering data

Base terminal		Type	Qty.	Order No.
	Base terminal	ZRV 1.5	50	1698160000
	Plug			

Note

Base terminal		Type	Qty.	Order No.
	Base terminal	ZRV 1.5/PE	50	1698170000
	Plug			

Note

Accessories

Plug housing STGH		Type	Current [A]	Qty.	Order No.
beige Wemid	without spigot				
	with spigot	STGH 4 ZRV1.5		50	1698190000
Crimp contacts					
	Supplied in strips	DFFC 0.2-0.35 ZRV1.5		500	1705310000
		DFFC .5-1.0 ZRV1.5		500	1705320000
	Single contacts				
Test adapter					
	Enclosure test adapter, 4-way				
	Strain relief				
	Plug housing black				
Tools					
	Crimping tools	HTF ZRV		1	9014840000
End plate / Partition plate					
	beige Wemid	AP ZRV1.5 DB		10	1698180000
Dummy plug					
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 5			

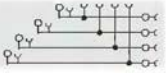
For detailed information on other accessories and applications see "Accessories"

Plug housing STGH		Type	Current [A]	Qty.	Order No.
beige Wemid	without spigot				
	with spigot	STGH 4 ZRV1.5/PE GN		50	1698200000
Crimp contacts					
	Supplied in strips	DFFC 0.2-0.35 ZRV1.5		500	1705310000
		DFFC .5-1.0 ZRV1.5		500	1705320000
	Single contacts				
Test adapter					
	Enclosure test adapter, 4-way				
	Strain relief				
	Plug housing black				
Tools					
	Crimping tools	HTF ZRV		1	9014840000
End plate / Partition plate					
	beige Wemid	AP ZRV1.5 DB		10	1698180000
Dummy plug					
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 5			

For detailed information on other accessories and applications see "Accessories"

ZRV 2.5/2 — 2.5 mm²

5.2 x 115 x 70
10 / 4
0.05 ... 4



IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
250	300		
10	10		
2.5	AWG 24 .. 14		
	4 / 3		
	A2 / V-0		

Rated connection	Crimp connection
0.5...4 / 0.5...4	
0.5...2.5 / 0.5...2.5	0.2...2.5
10 / 0.6 x 3.5	

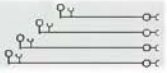
Type	Qty.	Order No.
ZRV 2.5/2	50	1906970000

Type	Current [A]	Qty.	Order No.
STGH O. ZA ZRV 2.5		50	1907010000
STGH ZRV 2.5		50	1907000000
FEKO ZRV 2.5 0.2-0.35		5000	1854750000
FEKO ZRV 2.5 0.5-1		5000	1854760000
FEKO ZRV 2.5 1.5-2.5		4000	1848480000
FEKO ET ZRV 2.5 0.2-0.35		500	1893940000
FEKO ET ZRV 2.5 0.5-1		500	1893970000
FEKO ET ZRV 2.5 1.5-2.5		500	1893990000
GH ZE STGH ZRV 2.5		50	2318620000
ZE ZRV 2.5		25	2318670000
STGH SW ZRV 2.5		25	1898420000
STGH O ZA/SW ZRV 2.5		25	1898430000
HTF ZRV		1	9014840000
AP ZRV 2.5		10	1906980000

DEK 5 / WS 12/5

ZRV 2.5/1 — 2.5 mm²

5 x 115 x 69.5
/ 4
0.08 ... 4



IEC	UL	CSA	EN 60079-7
250			
10			
2.5			
	4 / 3		

Rated connection	Crimp connection
0.5...4	
0.5...2.5	0.2...2.5
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZRV 2.5/1	50	1906960000

Type	Current [A]	Qty.	Order No.
STGH O ZA ZRV 2.5		50	1907010000
STGH ZRV 2.5		50	1907000000
FEKO ZRV 2.5 0.2-0.35		5000	1854750000
FEKO ZRV 2.5 0.5-1		5000	1854760000
FEKO ZRV 2.5 1.5-2.5		4000	1848480000
FEKO ET ZRV 2.5 0.2-0.35		500	1893940000
FEKO ET ZRV 2.5 0.5-1		500	1893970000
FEKO ET ZRV 2.5 1.5-2.5		500	1893990000
GH ZE STGH ZRV 2.5		50	2318620000
ZE ZRV 2.5		25	2318670000
STGH SW ZRV 2.5		25	1898420000
STGH O ZA/SW ZRV 2.5		25	1898430000
HTF ZRV		1	9014840000
AP ZRV 2.5		10	1906980000

DEK 5 / WS 12/5

Plug-in connector

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZP 2.5/1AN — 2.5 mm²

2...17-pole

width x length x height with TS 35 x 7.5 mm	x 16 x 41
max. current / max. cond. cross-section A/mm²	**24 / 4**
max. clamping range mm²	**0.13 ... 4**

ZP 2.5/1AN/GN/BE — 2.5 mm²

2...17-pole plug-in connectors each with one pole coloured green

x 16 x 41	
24 / 4	
0.13 ... 4	

Technical data

IEC 60947-7-1 / IEC 61984

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300		
max. voltage at clamp support & pluggable system V				
Rated current A	24	20		
Rated cross-section mm²	2.5	AWG 26... 12		
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	pluggable connection
Solid / stranded mm²	0.5...4	
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300		
max. voltage at clamp support & pluggable system V				
Rated current A	24	20		
Rated cross-section mm²	2.5	AWG 26... 12		
Rated impulse withstand voltage / Pollution severity kV/-		6		
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	pluggable connection
Solid / stranded mm²	0.5...4	
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

		Type	Qty.	Order No.
beige Weimid	1-pole	ZP 2.5/1AN/1	50	1815430000
	2-pole	ZP 2.5/1AN/2	25	1815440000
	3-pole	ZP 2.5/1AN/3	25	1815450000
	4-pole	ZP 2.5/1AN/4	25	1815500000
	5-pole	ZP 2.5/1AN/5	25	1815510000
	6-pole	ZP 2.5/1AN/6	25	1815520000
	7-pole	ZP 2.5/1AN/7	25	1815530000
	8-pole	ZP 2.5/1AN/8	20	1815540000
	9-pole	ZP 2.5/1AN/9	20	1815550000
	10-pole	ZP 2.5/1AN/10	20	1815560000
	11-pole	ZP 2.5/1AN/11	20	1815570000
	12-pole	ZP 2.5/1AN/12	20	1815580000
	13-pole	ZP 2.5/1AN/13	10	1815590000
	14-pole	ZP 2.5/1AN/14	10	1815600000
	15-pole	ZP 2.5/1AN/15	10	1815610000
	16-pole	ZP 2.5/1AN/16	10	1815620000
	17-pole	ZP 2.5/1AN/17	10	1815630000
green Weimid	1-pole	ZP 2.5/1AN/1 GN	50	1820580000
Note				

Type	Qty.	Order No.
ZP 2.5/1AN/2 GN/BE	25	1867090000
ZP 2.5/1AN/3 GN/BE	25	1867100000
ZP 2.5/1AN/4 GN/BE	25	1867110000
ZP 2.5/1AN/5 GN/BE	25	1867120000
ZP 2.5/1AN/6 GN/BE	25	1867130000
ZP 2.5/1AN/7 GN/BE	25	1867140000
ZP 2.5/1AN/8 GN/BE	25	1867150000
ZP 2.5/1AN/10 GN/BE	20	1867170000
ZP 2.5/1AN/10 GN/BE	20	1867170000
ZP 2.5/1AN/11 GN/BE	20	1867180000
ZP 2.5/1AN/12 GN/BE	20	1867190000
ZP 2.5/1AN/13 GN/BE	10	1867200000
ZP 2.5/1AN/14 GN/BE	10	1867210000
ZP 2.5/1AN/15 GN/BE	10	1867220000
ZP 2.5/1AN/16 GN/BE	10	1867230000
ZP 2.5/1AN/17 GN/BE	10	1867240000

The technical specifications relate to the use in conjunction with PE terminals to DIN EN 60947-7-2 only

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693800000
3-pole	ZQV 2.5/N/3 GE	24	60	1693810000
10-pole	ZQV 2.5/N/10 GE	24	20	1693880000
Test adapter		width [mm]		
in preparation	ZTA ZT2.5		25	1827080000
Screwdrivers				
SD to DIN 5264-A	SD 0.6x3.5x100		1	9008330000
Group designation				
	ZGB 30		20	1611930000
Push-in tag, blank	ESO 7 A4-BOGEN WEISS		1	1607720000
Chafing patch, transparent	STR 7 FSCHT 7		20	0515300000
Labelling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / ZGB 30			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693800000
3-pole	ZQV 2.5/N/3 GE	24	60	1693810000
10-pole	ZQV 2.5/N/10 GE	24	20	1693880000
Test adapter		width [mm]		
in preparation	ZTA ZT2.5		25	1827080000
Screwdrivers				
SD to DIN 5264-A	SD 0.6x3.5x100		1	9008330000
Group designation				
	ZGB 30		20	1611930000
Push-in tag, blank	ESO 7 A4-BOGEN WEISS		1	1607720000
Chafing patch, transparent	STR 7 FSCHT 7		20	0515300000
Labelling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / ZGB 30			
For detailed information on other accessories and applications see "Accessories"				

ZP 2.5/1AN/QV — 2.5 mm²

1...17-pole

x 23 x 41
24 / 4
0.13 ... 4

IEC	UL	CSA	EN 60079-7
500	300		
24	20		
2.5	AWG 26... 12		
6			
A2 / V-0			

Rated connection	pluggable connection
0.5...4	
0.5...4 / 0.5... 2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/11	20	1815290000
ZP 2.5/1AN/QV/12	20	1815300000
ZP 2.5/1AN/QV/13	10	1815310000
ZP 2.5/1AN/QV/14	10	1815320000
ZP 2.5/1AN/QV/15	10	1815330000
ZP 2.5/1AN/QV/16	10	1815340000
ZP 2.5/1AN/QV/17	10	1815350000
ZP 2.5/1AN/QV/1 GN	50	1820570000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/10 GE	24	20	1693880000
	width [mm]		
ZTA ZT 2.5		25	1827080000
SD 0.6x3.5x100		1	9008330000
ZGB 30		20	1611930000
ESO 7 A4-BOGEN WEISS		1	1607720000
STR 7 FSCHT 7		20	0515300000

DEK 5 / ZGB 30

ZP 2.5/2AN/QV — 2.5 mm²

1...17-pole

x 37 x 41
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500			
24			
2.5			
6 / 3			
A2 / V-0			

Rated connection	pluggable connection
0.5... 4	
0.5... 4 / 0.5... 2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/2AN/QV/1	50	1815730000
ZP 2.5/2AN/QV/2	20	1815740000
ZP 2.5/2AN/QV/3	20	1815750000
ZP 2.5/2AN/QV/4	20	1815760000
ZP 2.5/2AN/QV/5	20	1815770000
ZP 2.5/2AN/QV/6	20	1815780000
ZP 2.5/2AN/QV/7	20	1815790000
ZP 2.5/2AN/QV/8	10	1815800000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/11	10	1815830000
ZP 2.5/2AN/QV/12	10	1815840000
ZP 2.5/2AN/QV/13	5	1815850000
ZP 2.5/2AN/QV/14	5	1815860000
ZP 2.5/2AN/QV/15	5	1815870000
ZP 2.5/2AN/QV/16	5	1815880000
ZP 2.5/2AN/QV/17	5	1815890000
ZP 2.5/2AN/QV/1 GN	50	1820590000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/10 GE	24	20	1693880000
	width [mm]		
ZTA ZT 2.5		25	1827080000
SD 0.6x3.5x100		1	9008330000
ZGB 30		20	1611930000
ESO 7 A4-BOGEN WEISS		1	1607720000
STR 7 FSCHT 7		20	0515300000

DEK 5 / ZGB 30

ZP 4/1AN — 2.5 mm²

1...17-pole

x 22 x 48.5
32 / 6
0.21 ... 6

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
32	28	28	
2.5	AWG 26 ... 10	AWG 26 ... 10	
8 / 3			
A3			

Rated connection	pluggable connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5	

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/10	10	1855070000
ZP 4/1AN/10	10	1855070000
ZP 4/1AN/11	20	1855080000
ZP 4/1AN/12	10	1855090000
ZP 4/1AN/13	10	1855100000
ZP 4/1AN/14	10	1855110000
ZP 4/1AN/15	10	1855120000
ZP 4/1AN/16	10	1855130000
ZP 4/1AN/17	10	1855140000
ZP 4/1AN/1 GN	50	1854980000

Type	Current [A]	Qty.	Order No.
	width [mm]		
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/6

Pluggable standard terminals WeiCoS

Coupling

	ZP 2.5 ZVR	ZPS 2.5/1AN/QV
	2.5 mm²	2.5 mm²
	2...12-pole	1...16-pole
width x length x height with TS 35 x 7.5 mm	x 23 x 41	x 41 x 37
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
max. clamping range mm²	0.13 ... 4	0.13 ... 4

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

Technical data

	ZP 2.5 ZVR	ZPS 2.5/1AN/QV
Rated data	IEC 60947-7-1 / IEC 61984	IEC 60947-7-1 / IEC 61984
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	500 / 300	500 / 300 / 600
max. voltage of clamp support & pluggable system V		
Rated current A	24 / 20	24 / 20 / 20
Rated cross-section mm²	2.5 / AWG 26 ... 12	2.5 / AWG 26 ... 12 / AWG 26 ... 12
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A2 / V-0	A2
Approvals		
Clamped conductors (H05V/H07V)	Rated connection / pluggable connection	Rated connection / pluggable connection
Solid / stranded mm²	0.5 ... 4	0.13 ... 4
Flexible / Flexible with wire-end ferrule mm²	0.5 ... 4 / 0.5 ... 2.5	0.5 ... 4 / 0.5 ... 2.5
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

		ZP 2.5 ZVR Type	Qty.	Order No.	ZPS 2.5/1AN/QV Type	Qty.	Order No.
beige Wemid	1-pole				ZPS 2.5/1AN/QV/1	50	1865830000
	2-pole	ZP 2.5/2 ZVR	20	1888060000	ZPS 2.5/1AN/QV/2	20	1865900000
	3-pole	ZP 2.5/3 ZVR	20	1888070000	ZPS 2.5/1AN/QV/3	20	1865910000
	4-pole	ZP 2.5/4 ZVR	20	1888090000	ZPS 2.5/1AN/QV/4	20	1865920000
	5-pole	ZP 2.5/5 ZVR	10	1888130000	ZPS 2.5/1AN/QV/5	20	1865930000
	6-pole	ZP 2.5/6 ZVR	10	1888160000	ZPS 2.5/1AN/QV/6	20	1865940000
	7-pole	ZP 2.5/7 ZVR	10	1888170000	ZPS 2.5/1AN/QV/7	20	1865950000
	8-pole	ZP 2.5/8 ZVR	5	1888180000	ZPS 2.5/1AN/QV/8	10	1865960000
	9-pole	ZP 2.5/10 ZVR	10	1888200000	ZPS 2.5/1AN/QV/10	10	1865980000
	10-pole	ZP 2.5/10 ZVR	10	1888200000	ZPS 2.5/1AN/QV/10	10	1865980000
	11-pole	ZP 2.5/11 ZVR	10	1888210000	ZPS 2.5/1AN/QV/11	10	1865990000
	12-pole	ZP 2.5/12 ZVR	10	1888220000	ZPS 2.5/1AN/QV/12	10	1866000000
	13-pole				ZPS 2.5/1AN/QV/13	10	1866010000
	14-pole				ZPS 2.5/1AN/QV/14	10	1866020000
	15-pole				ZPS 2.5/1AN/QV/15	10	1866030000
	16-pole				ZPS 2.5/1AN/QV/16	10	1866040000
	17-pole						
green Wemid	1-pole				ZPS 2.5/1AN/QV/1 GN	50	1865890000
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable		ZQV 2.5N/2 GE	24	60	1693800000	ZQV 2.5N/2 GE	24	60	1693800000
	2-pole	ZQV 2.5N/3 GE	24	60	1693810000	ZQV 2.5N/3 GE	24	60	1693810000
	3-pole	ZQV 2.5N/10 GE	24	20	1693880000	ZQV 2.5N/10 GE	24	20	1693880000
	10-pole		width [mm]				width [mm]		
Test adapter		ZTA ZT2.5		25	1827080000	ZTA ZT2.5		25	1827080000
in preparation									
Screwdrivers		SD 0.6x3.5x100		1	9008380000	SD 0.6x3.5x100		1	9008380000
SD to DIN 5264-A									
Group designation		ZGB 30		20	1611930000	ZGB 30		20	1611930000
	Push-in tag, blank	ESO 7 A4-BOGEN WEISS		1	1607720000	ESO 7 A4-BOGEN WEISS		1	1607720000
	Chafing patch, transparent	STR 7 FSCHT 7		20	0515300000	STR 7 FSCHT 7		20	0515300000
Labelling systems (see large assortment in catalogue 7)	Marking tags	DEK 5 / ZGB 30				DEK 5 / ZGB 30			
For detailed information on other accessories and applications see "Accessories"									

ZPS 2.5/ ... ZVLA SC — 2.5 mm²

2...12-pole, direct mounting with screws

x 30 x 42
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500	600		

24	24
2.5	AWG 26... 12
6 / 3	
A2 / V-0	

Rated connection	pluggable connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZPS 2.5/2 ZVLA SC	20	1886270000
ZPS 2.5/3 ZVLA SC	20	1886080000
ZPS 2.5/4 ZVLA SC	20	1886090000
ZPS 2.5/5 ZVLA SC	10	1886100000
ZPS 2.5/6 ZVLA SC	10	1886110000
ZPS 2.5/7 ZVLA SC	10	1886120000
ZPS 2.5/8 ZVLA SC	5	1886130000
ZPS 2.5/10 ZVLA SC	10	1886150000
ZPS 2.5/10 ZVLA SC	10	1886150000
ZPS 2.5/11 ZVLA SC	10	1886160000
ZPS 2.5/12 ZVLA SC	10	1886170000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/10 GE	24	20	1693880000
	width [mm]		
ZTA ZT 2.5		25	1827080000
SD 0.6x3.5x100		1	9008330000
ZGB 30		20	1611930000
ESO 7 A4-BOGEN WEISS		1	1607720000
STR 7 FSCHT 7		20	0515300000
DEK 5 / ZGB 30			

ZPS 2.5/ ... ZVLA DF CL — 2.5 mm²

2...12-pole, cable entry with clip

x 28.1 x 42
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500	300		

24	24
2.5	AWG 26... 12
6 / 3	
A2 / V-0	

Rated connection	pluggable connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPS 2.5/2 ZVLA DF CL	20	1887540000
ZPS 2.5/3 ZVLA DF CL	20	1887570000
ZPS 2.5/4 ZVLA DF CL	20	1887590000
ZPS 2.5/5 ZVLA DF CL	10	1887600000
ZPS 2.5/6 ZVLA DF CL	10	1887610000
ZPS 2.5/7 ZVLA DF CL	10	1887620000
ZPS 2.5/8 ZVLA DF CL	5	1887710000
ZPS 2.5/10 ZVLA DF CL	10	1887730000
ZPS 2.5/10 ZVLA DF CL	10	1887730000
ZPS 2.5/11 ZVLA DF CL	10	1887740000
ZPS 2.5/12 ZVLA DF CL	10	1887750000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/10 GE	24	20	1693880000
	width [mm]		
ZTA ZT 2.5		25	1827080000
SD 0.6x3.5x100		1	9008330000
ZGB 30		20	1611930000
ESO 7 A4-BOGEN WEISS		1	1607720000
STR 7 FSCHT 7		20	0515300000
DEK 5 / ZGB 30			

ZPS 2.5/ ... ZVLA1 — 2.5 mm²

2...12-pole, flying coupling

x 25.5 x 42
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
500	300		

24	24
2.5	AWG 26... 12
6 / 3	
A2 / V-0	

Rated connection	pluggable connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Wadmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPS 2.5/2 ZVLA1	20	1886940000
ZPS 2.5/3 ZVLA1	20	1886950000
ZPS 2.5/4 ZVLA1	20	1887020000
ZPS 2.5/5 ZVLA1	10	1887030000
ZPS 2.5/6 ZVLA1	10	1887040000
ZPS 2.5/7 ZVLA1	10	1887050000
ZPS 2.5/8 ZVLA1	5	1887060000
ZPS 2.5/10 ZVLA1	10	1887080000
ZPS 2.5/10 ZVLA1	10	1887080000
ZPS 2.5/11 ZVLA1	10	1887090000
ZPS 2.5/12 ZVLA1	10	1887100000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/10 GE	24	20	1693880000
	width [mm]		
ZTA ZT 2.5		25	1827080000
SD 0.6x3.5x100		1	9008330000
ZGB 30		20	1611930000
ESO 7 A4-BOGEN WEISS		1	1607720000
STR 7 FSCHT 7		20	0515300000
DEK 5 / ZGB 30			

Pluggable standard terminals WeiCoS

Coupling

	ZPS 2.5/ ... ZVLA DF	2.5 mm²	ZPS 2.5/ ... ZVLA RC	2.5 mm²
	2...12-pole, cable entry with screw		2...12-pole, direct mounting with clip	
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.				
width x length x height with TS 35 x 7.5 mm	x 28.1 x 42		x 30.4 x 42	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
max. clamping range mm²	**0.13 ... 4**		**0.13 ... 4**	

Technical data

		IEC 60947-7-1 / IEC 61984				IEC 60947-7-1 / IEC 61984			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300			500	300		
max. voltage of clamp support & pluggable system	V								
Rated current	A	24	24			24	24		
Rated cross-section	mm²	2.5	AWG 26... 12			2.5	AWG 26... 12		
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3				6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A2 / V-0				A2 / V-0		
Approvals									
Clamped conductors (H05V/H07V)		Rated connection		pluggable connection		Rated connection		pluggable connection	
Solid / stranded	mm²	0.5... 4				0.5... 4			
Flexible / flexible with wire-end ferrule	mm²	0.5... 4 / 0.5... 2.5				0.5... 4 / 0.5... 2.5			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

		Type	Qty.	Order No.	Type	Qty.	Order No.
beige Weimid	1-pole						
	2-pole	ZPS 2.5/2 ZVLA DF	20	1887280000	ZPS 2.5/2 ZVLA RC	20	1887800000
	3-pole	ZPS 2.5/3 ZVLA DF	20	1887290000	ZPS 2.5/3 ZVLA RC	20	1887810000
	4-pole	ZPS 2.5/4 ZVLA DF	20	1887300000	ZPS 2.5/4 ZVLA RC	20	1887820000
	5-pole	ZPS 2.5/5 ZVLA DF	10	1887310000	ZPS 2.5/5 ZVLA RC	10	1887830000
	6-pole	ZPS 2.5/6 ZVLA DF	10	1887320000	ZPS 2.5/6 ZVLA RC	10	1887840000
	7-pole	ZPS 2.5/7 ZVLA DF	10	1887330000	ZPS 2.5/7 ZVLA RC	10	1887850000
	8-pole	ZPS 2.5/8 ZVLA DF	5	1887370000	ZPS 2.5/8 ZVLA RC	5	1887890000
	9-pole	ZPS 2.5/10 ZVLA DF	10	1887390000	ZPS 2.5/10 ZVLA RC	10	1887880000
	10-pole	ZPS 2.5/10 ZVLA DF	10	1887390000	ZPS 2.5/10 ZVLA RC	10	1887880000
	11-pole	ZPS 2.5/11 ZVLA DF	10	1887400000	ZPS 2.5/11 ZVLA RC	10	1887890000
	12-pole	ZPS 2.5/12 ZVLA DF	10	1887410000	ZPS 2.5/12 ZVLA RC	10	1887900000
	13-pole						
	14-pole						
	15-pole						
	16-pole						
	17-pole						
green Weimid	1-pole						
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable		ZQV 2.5/N/2 GE	24	60	1693800000	ZQV 2.5/N/2 GE	24	60	1693800000
	2-pole	ZQV 2.5/N/3 GE	24	60	1693810000	ZQV 2.5/N/3 GE	24	60	1693810000
	3-pole	ZQV 2.5/N/10 GE	24	20	1693880000	ZQV 2.5/N/10 GE	24	20	1693880000
	10-pole		width [mm]				width [mm]		
Test adapter		ZTA ZT2.5		25	1827080000	ZTA ZT2.5		25	1827080000
in preparation									
Screwdrivers		SD 0.6x3.5x100		1	9008380000	SD 0.6x3.5x100		1	9008380000
SD to DIN 5264-A									
Group designation		ZGB 30		20	1611930000	ZGB 30		20	1611930000
	Push-in tag, blank	EsO 7 A4-BOGEN WEISS		1	1607720000	EsO 7 A4-BOGEN WEISS		1	1607720000
	Chafing patch, transparent	STR 7 FSCHT 7		20	0515300000	STR 7 FSCHT 7		20	0515300000
Labelling systems (see large assortment in catalogue 7)	Marking tags	DEK 5 / ZGB 30				DEK 5 / ZGB 30			
For detailed information on other accessories and applications see "Accessories"									

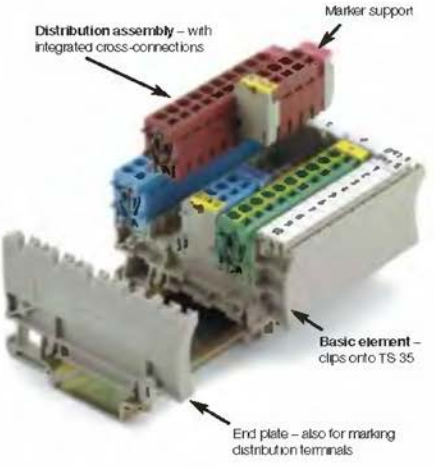
Distribution System

This modular system is based on the in-row individual modules of the distribution assembly with their integrated cross-connection.

The female contact is on one side, and the male contact on the other. The modular slice structure results in variable distribution assemblies depending on the application.

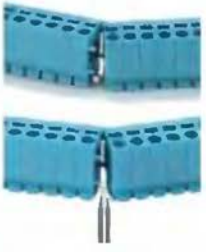
The supports for these module combinations are the basic elements which simply clip onto TS-35 mounting rails. The basic elements are available in different versions:

- Simple support elements without electric function (ZPV 1.5)
- Basic elements for supplying initiators and actuators as 3- or 4-core connection

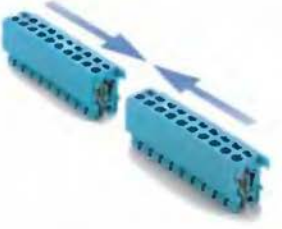


ZPV 1.5 – for easy assembly of variable pole numbers

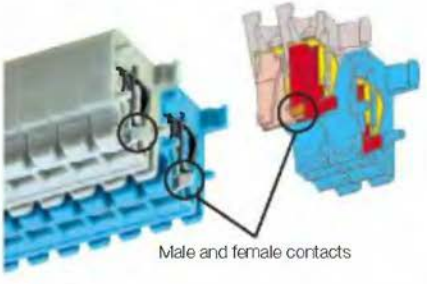
- Easily separated



- Easily plugged into each other



- Integrated cross-connection



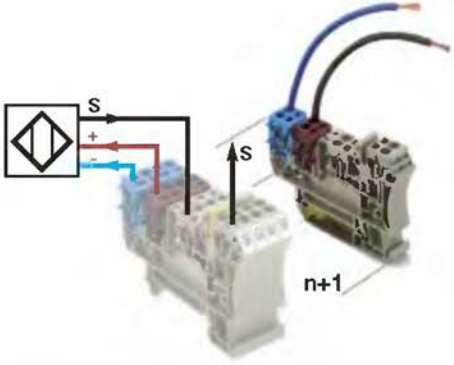
- Clips onto the basic elements by hand

Supplying initiators and actuators

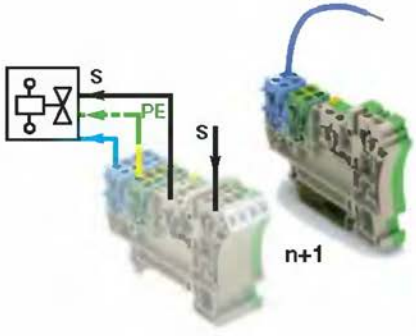
The modular distribution assembly is a convenient way of supplying power to initiators and actuators.

An additional basic element is used as a supply element which distributes the power to individual consumers across the cross-connected distribution terminals.

The control or information signal (S) is forwarded via the two clamping points of the basic elements. These can also be supplied optionally with an LED for status display.



Initiator supply
via 1 additional standard basic element
=> n + 1 basic elements
=> n + 1 distribution assembly element for each circuit path
(n = number of initiators)



Actuator supply
via 1 additional standard basic element
=> n + 1 PE basic elements
=> n + 1 distribution assembly element for each circuit path
(n = no. of actuators)

4-core basic elements are used for initiator supply with additional PE connection; these can take 3 distribution terminals.

For design reasons, the PE basic element is always positioned on the left at the beginning of a terminal series, and is only required once.

Or:
Combined feed-through terminal (A, B, C) and potential distribution terminal (X, Y)

Distribution assembly elements without male and female contacts and cross-connections for the feed-through terminal part make possible a great many different wiring solutions.

The modular distribution strip system

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZPV 1.5	ZIA 1.5/3 L...
	1.5 mm²	1.5 mm²
	Base element	Base element 3-wire
width x length x height with TS 35 x 7.5 mm	6.7 x 67.8 x 38	5.1 x 68.5 x 46
max. current / max. conductor		/ 2.5
max. clamping range mm²		0.13 ... 2.5

Technical data

	ZPV 1.5	ZIA 1.5/3 L...
Rated data	IEC 60947-7-1	IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	250 / 300 / 300	250 / 300 / 300
Rated current A	17.5 / 10 / 10	17.5 / 10 / 10
Rated cross-section mm²	1.5 / AWG 26... 14 / AWG 26... 14	1.5 / AWG 26... 14 / AWG 26... 14
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	/ V-0	A1 / V-0
voltage LED / current LED / circuit state V / A / -		
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²		0.5...2.5
Flexible / Flexible with wire end ferrule mm²		0.5...2.5 / 0.5...1.5
Stripping length / Blade size mm / -		8 / 0.6 x 3.5
Note		Bi-directional LED in ZIA 1.5/3L-1/LD (1651990000)

Ordering data

	ZPV 1.5	ZIA 1.5/3 L...
Base terminal	Type / Qty. / Order No.	Type / Qty. / Order No.
Base terminal	ZPV 1.5 / 100 / 1676630000	ZIA 1.5/3L-1S / 100 / 1651980000
Base terminal with LED		ZIA 1.5/3L-1S/LD / 50 / 1651990000
PE base terminal		ZIA 1.5/3L-PE / 20 / 1652000000
Modular distribution strip	Type / Qty. / Order No.	Type / Qty. / Order No.
dark beige Wemid	ZVL 1.5 / 100 / 1649300000	ZVL 1.5 / 100 / 1649300000
brown Wemid	ZVL 1.5 BR / 100 / 1650370000	ZVL 1.5 BR / 100 / 1650370000
blue Wemid	ZVL 1.5 BL / 100 / 1650360000	ZVL 1.5 BL / 100 / 1650360000
green/yellow Wemid	ZVL 1.5/PE GN/GE BED / 100 / 1651970000	ZVL 1.5/PE GN/GE BED / 100 / 1651970000
dark beige Wemid	ZVL 1.5 O QV / 100 / 1711930000	ZVL 1.5 O QV / 100 / 1711930000
Note		

Accessories

	ZPV 1.5	ZIA 1.5/3 L...
Cross-connection, pluggable	Type / Current [A] / Qty. / Order No.	Type / Current [A] / Qty. / Order No.
For signal level of base terminal only		
2-pole		ZQV 2.5/2 / 24 / 60 / 1608360000
3-pole		ZQV 2.5/3 / 24 / 60 / 1608370000
4-pole		ZQV 2.5/4 / 24 / 60 / 1608380000
10-pole		ZQV 2.5/10 / 24 / 20 / 1608940000
50-pole		ZQV 2.5/50 / 24 / 10 / 1697540000
End plate / Partition plate	width [mm]	width [mm]
dark beige Wemid	ZAP/TW ZPV1.5 / 5.1 / 50 / 1674650000	ZAP/TW ZIA1.5/3L / 5.1 / 50 / 1649540000
Screwdrivers		
Standard	SD 0.6x3.5x100 / 1 / 9008330000	SD 0.6x3.5x100 / 1 / 9008330000
Reducing sleeves		
for conductors < 0.5 mm² / < AWG 20		ZRH 1.5/V1 / 1000 / 1632140000
for conductors < 1.0 mm² / < AWG 18		ZRH 1.5/V2 / 1000 / 1632130000
Marking holder for modular distribution strip		
without spigot		
with spigot		
Marking systems (see large assortment in catalogue 7)		
Marking tags	DEK 5 / WS 12/5	DEK 5
For detailed information on other accessories and applications see "Accessories"	For holding distribution strip ZVL 1.5	

ZIA 1.5/4 L... 1.5 mm²

Base element 4-wire

5.1 x 81.5 x 46
/ 2.5
0.13 ... 2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26... 14	AWG 26... 14	
	4 / 3		
	A1 / V-0		

Rated connection
0.5... 2.5
0.5... 2.5 / 0.5... 1.5
8 / 0.6 x 3.5

Bi-directional LED in ZIA 1.5/4L-1/LD (1652030000)

Type	Qty.	Order No.
ZIA 1.5/4L-1S	100	1652010000
ZIA 1.5/4L-1S/LD	50	1652020000
ZIA 1.5/4L-PE	20	1652030000

Type	Qty.	Order No.
ZVL 1.5	100	1649300000
ZVL 1.5 BR	100	1650370000
ZVL 1.5 BL	100	1650360000
ZVL 1.5/PE GN/GE BED	100	1651970000
ZVL 1.5 O QV	100	1711930000

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/50	24	10	1697540000
	width [mm]		
ZAP/TWZIA1.5/4L	5.1	50	1649550000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/N/1		1000	1632140000
ZRH 1.5/N/2		1000	1632130000

DEK 5

ZVL 1.5 1.5 mm²

Distribution strip

5.1 x 12.9 x 17.4
/ 2.5
0.13 ... 2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26... 14	AWG 26... 14	
	4 / 3		
	A2 / V-0		

Rated connection
0.5... 2.5
0.5... 2.5 / 0.5... 1.5
7 / 0.6 x 3.5

Type	Qty.	Order No.

Type	Qty.	Order No.
ZVL 1.5	100	1649300000
ZVL 1.5 BR	100	1650370000
ZVL 1.5 BL	100	1650360000
ZVL 1.5/PE GN/GE BED	100	1651970000
ZVL 1.5 O QV	100	1711930000

Type	Current [A]	Qty.	Order No.
	width [mm]		
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/N/1		1000	1632140000
ZRH 1.5/N/2		1000	1632130000
BZT ZVL1.5/O ZA		100	1676620000
BZT ZVL1.5		100	1676610000

DEK 5

Integral cross connections. Distributor strip for base element ZPV 1.5 order No. 1676630000

Modular design

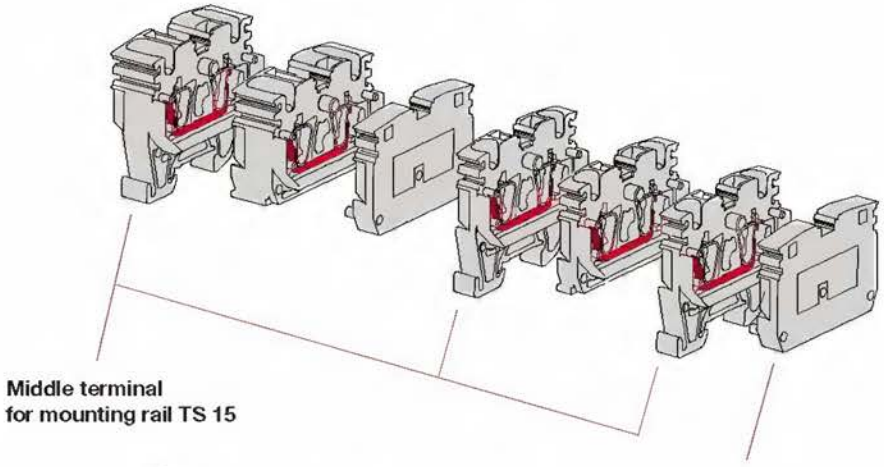
This mini-terminal family in tension clamp technology can be used to assemble individual blocks with 2- and 4-pole terminals.

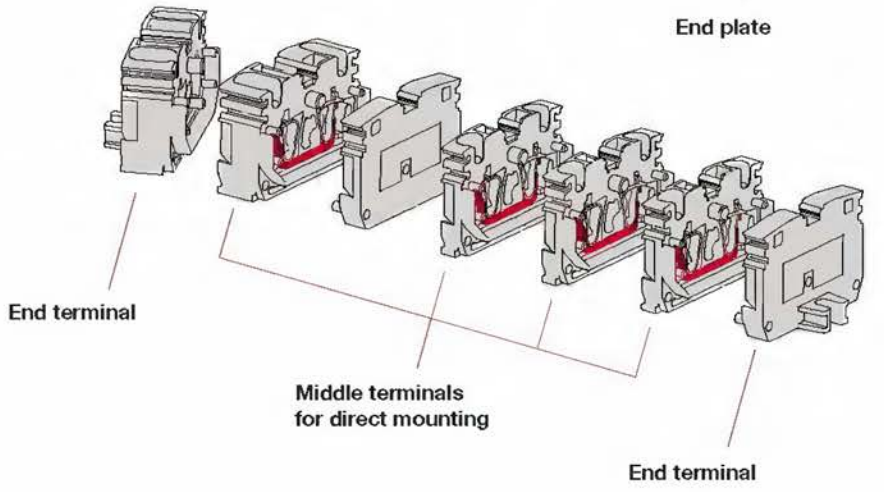
An individual colour scheme for individual connection groups allows visual differentiation between different circuits.

With a structural width of only 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees clearly organised wiring of circuits, even in terminal boxes with restricted space.

There are three different marking options for quick and clear identification of each terminal.

Made of Weidmüller's top quality WEMID insulation, all block terminals comply with requirements for a V0 flammability class to UL94.





Individual blocks are put together from **middle terminals** and an end plate for the open side. Screw fastening involves the first middle terminal and the **end plate** being replaced by end terminals for fastening purposes. With the other fastening variations, **middle terminals with means of fastening** are integrated within the block or a **mounting foot (MOFU)** is used for fitting to the mounting rail.

... with 4 different means of fastening

ZDUB 2.5-2 DM

Direct mounting with screw fastening on mounting plate

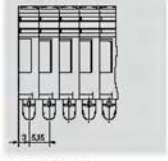
The fastening terminals on the right and left of the terminal block are mounted using M3 screws. Central fastening is not possible in this case.

ZDUB 2.5-2 RC

Clip-on fastening on mounting plates

The terminals are simply clipped onto mounting plates 0.6 – 1.2 mm thick with the clips in the 3.5 mm holes.
The open side of the terminal is closed by an end plate.

Drilling plan:
ZDUB/2.5-2/2AN



ZDUB 2.5-2/4AN

ZPEB 2.5-2 TS 15

Fitting on mounting rail TS 15

For clipping on mounting rail TS 15. The open side of the terminal is closed by an end plate.

MOFU TS 15/35

Mounting foot for mounting rail TS 15/35

The mounting foot can be used for clipping terminal blocks consisting only of middle terminals either to TS 15 or TS 35 mounting rails.

Terminal blocks for different fixing systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

ZDUB 2.5-2/2AN/RC — 2.5 mm²

Two connections for panel mount

width x length x height with TS 35 x 7.5 mm	**5.1** x 33.2 x 28.8
max. current / max. conductor A/mm²	**30 / 4**
max. clamping range mm²	**0.13 ... 4**

ZDUB 2.5-2/4AN/RC — 2.5 mm²

Four connections for panel mount

width x length x height with TS 35 x 7.5 mm	**10.2** x 33.5 x 29
max. current / max. conductor A/mm²	**30 / 4**
max. clamping range mm²	**0.13 ... 4**

Technical data

Rated data		ZDUB 2.5-2/2AN/RC	ZDUB 2.5-2/4AN/RC
		IEC 60947-7-1 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 — Ex e II (Ex) II 2 G D
Rated voltage (to adjacent terminal for PE)	V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current	A	24 / 20 / 25 / 21	24 / 20 / 25 / 21
Rated cross-section	mm²	2.5 — AWG 26... 12 / AWG 26... 12 — 2.5	2.5 — AWG 26... 12 / AWG 26... 12 — 2.5
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals		KEMA 97ATEX2755 U	KEMA 97ATEX2755 U
Clamped conductors (H05V / H07V)		**Rated connection**	**Rated connection**
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		Clip	Clip

Ordering data

Central terminals		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	ZDUB 2.5-2/2AN/RC	100	1712820000	ZDUB 2.5-2/4AN/RC	100	1712970000
	blue Wemid	ZDUB 2.5-2/2AN/RC BL	100	1712830000	ZDUB 2.5-2/4AN/RC BL	100	1712980000
	yellow Wemid	ZDUB 2.5-2/2AN/RC GE	100	1712850000	ZDUB 2.5-2/4AN/RC GE	100	1713000000
	green/yellow Wemid						
End terminals		**Type**		**Order No.**	**Type**		**Order No.**
with fixing option	dark beige Wemid						
external, 1 pc. required for	blue Wemid						
Block assembly	yellow Wemid						
Note		Diameter of mounting hole for locating clips 3.5 mm for sheet thickness 0.6-1.2 mm.			Diameter of mounting hole for locating clips 3.5 mm for sheet thickness 0.6-1.2 mm		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQB 2.5-2	24	50	1677120000	ZQB 2.5-2	24	50	1677120000
	3-pole								
	4-pole								
	10-pole								
	50-pole								
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	ZAP ZDUB	5	50	1704750000	ZAP ZDUB	5	50	1704750000
	blue Wemid	ZAP ZDUB BL	5	50	1704760000	ZAP ZDUB BL	5	50	1704760000
	orange PA	ZAP ZDUB OR	5	50	1704770000	ZAP ZDUB OR	5	50	1704770000
End bracket									
Fixing blocks									
1 pc. necessary when assembling blocks (alternative to end terminals)	dark beige Wemid								
	blue Wemid								
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Mounting foot for TS 15 & TS 35									
	dark beige Wemid								
Marking system (see large assortment in catalogue 7)									
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000).				Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000)			

Terminal blocks for different fixing systems

ZDUB 2.5-2/2AN/DM — 2.5 mm²

Two connections for direct mount

ZDUB 2.5-2/4AN/DM — 2.5 mm²

Four connections for direct mount

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZDUB 2.5-2/2AN/DM	ZDUB 2.5-2/4AN/DM
width x length x height with TS 35 x 7.5	mm	5.1 x 33 x 24	10.2 x 33.5 x 24
max. current / max. conductor	A/mm²	30 / 4	30 / 4
max. clamping range	mm²	0.13 ... 4	0.13 ... 4

Technical data

		ZDUB 2.5-2/2AN/DM	ZDUB 2.5-2/4AN/DM
Rated data		IEC 60947-7-1 — Ex e II (Ex) II 2 G D	IEC 60947-7-1 — Ex e II (Ex) II 2 G D
Rated voltage (to adjacent terminal for PE)	V	800 / 600 / 600 / 550 (IEC / UL / CSA / EN 60079-7)	800 / 600 / 600 / 550 (IEC / UL / CSA / EN 60079-7)
Rated current	A	24 / 20 / 25 / 21	24 / 20 / 25 / 21
Rated cross-section	mm²	2.5 / AWG 26... 12 / AWG 26... 12 / 2.5	2.5 / AWG 26... 12 / AWG 26... 12 / 2.5
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals		KEMA 97ATEX2755 U	KEMA 97ATEX2755 U
Clamped conductors (H05V/H07V)		Rated connection	Rated connection
Solid / stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		Direct mounting	Direct mounting

Ordering data

		ZDUB 2.5-2/2AN/DM			ZDUB 2.5-2/4AN/DM		
Central terminals		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	dark beige Wemid	ZDUB 2.5-2/2AN/DM	100	1704350000	ZDUB 2.5-2/4AN/DM	100	1704540000
	blue Wemid	ZDUB 2.5-2/2AN/DM BL	100	1704360000	ZDUB 2.5-2/4AN/DM BL	100	1704550000
	yellow Wemid	ZDUB 2.5-2/2AN/DM GE	100	1704380000	ZDUB 2.5-2/4AN/DM GE	100	1704570000
	green/yellow Wemid						
End terminals		**Type**		**Order No.**	**Type**		**Order No.**
with fixing option	dark beige Wemid	ZDUB 2.5-2/2AN/DB	100	1704500000	ZDUB 2.5-2/4AN/DB	100	1704690000
external, 1 pc. required for	blue Wemid	ZDUB 2.5-2/2AN/DB BL	100	1704510000	ZDUB 2.5-2/4AN/DB BL	100	1704700000
Block assembly	yellow Wemid	ZDUB 2.5-2/2AN/DB GE	100	1704530000	ZDUB 2.5-2/4AN/DB GE	100	1704720000
Note							

Accessories

		ZDUB 2.5-2/2AN/DM				ZDUB 2.5-2/4AN/DM			
Cross-connection, pluggable		**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole	ZQB 2.5-2	24	50	1677120000	ZQB 2.5-2	24	50	1677120000
	3-pole								
	4-pole								
	10-pole								
	50-pole								
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	ZAP ZDUB	5	50	1704750000	ZAP ZDUB	5	50	1704750000
	blue Wemid	ZAP ZDUB BL	5	50	1704760000	ZAP ZDUB BL	5	50	1704760000
	orange PA	ZAP ZDUB OR	5	50	1704770000	ZAP ZDUB OR	5	50	1704770000
End bracket									
Fixing blocks									
1 pc. necessary when assembling blocks (alternative to end terminals)	dark beige Wemid	ZBB ZDUB		50	1704740000	ZBB ZDUB		50	1704740000
	blue Wemid								
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Mounting foot for TS 15 & TS 35									
	dark beige Wemid	MOFU 15/35 ZDUB		50	1723660000	MOFU 15/35 ZDUB		50	1723660000
Marking systems (see large assortment in catalogue 7)									
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000).				Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000)			

Terminal blocks for different fixing systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDUB 2.5-2/2AN/TS15	2.5 mm²	ZDUB 2.5-2/4AN/TS15	2.5 mm²
	Two connections for TS 15 DIN Rail		Four connections for TS 15 DIN Rail	
width x length x height with TS 35 x 7.5 mm	5.1 x 33.5 x 32		10.2 x 33.5 x 32	
max. current / max. conductor A/mm²	30 / 4		30 / 4	
max. clamping range mm²	0.13 ... 4		0.13 ... 4	

Technical data

	ZDUB 2.5-2/2AN/TS15	ZDUB 2.5-2/4AN/TS15
Rated data	IEC 60947-7-1 Ex e II (Ex) II 2 G D	IEC 60947-7-1 Ex e II (Ex) II 2 G D
Rated voltage (to adjacent terminal for PE) V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
Rated current A	24 / 20 / 25 / 21	24 / 20 / 25 / 21
Rated cross-section mm²	2.5 AWG 26... 12 AWG 26... 12 2.5	2.5 AWG 26... 12 AWG 26... 12 2.5
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A2 / V-0	A2 / V-0
Approvals	KEMA 97ATEX2755 U	KEMA 97ATEX2755 U
Clamped conductors (H05V / H07V)	Rated connection	Rated connection
Solid / stranded mm²	0.5...4	0.5...4
Flexible / Flexible with wire end ferrule mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	TS 15 - block design	TS 15 - block design

Ordering data

	ZDUB 2.5-2/2AN/TS15			ZDUB 2.5-2/4AN/TS15		
Central terminals	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	ZDUB 2.5-2/2AN/15	100	1712750000	ZDUB 2.5-2/4AN/15	100	1712780000
blue Wemid	ZDUB 2.5-2/2AN/15 BL	100	1712760000	ZDUB 2.5-2/4AN/15 BL	100	1712790000
yellow Wemid						
green/yellow Wemid						
End terminals	Type		Order No.	Type		Order No.
with fixing option dark beige Wemid						
external, 1 pc. required for blue Wemid						
Block assembly yellow Wemid						
Note						

Accessories

	ZDUB 2.5-2/2AN/TS15			ZDUB 2.5-2/4AN/TS15		
Cross-connection, pluggable	Type	Current [A] Qty.	Order No.	Type	Current [A] Qty.	Order No.
2-pole	ZQB 2.5-2	24 50	1677120000	ZQB 2.5-2	24 50	1677120000
3-pole						
4-pole						
10-pole						
50-pole						
End plate / Partition plate		width [mm]			width [mm]	
dark beige Wemid	ZAP ZDUB	5 50	1704750000	ZAP ZDUB	5 50	1704750000
blue Wemid	ZAP ZDUB BL	5 50	1704760000	ZAP ZDUB BL	5 50	1704760000
orange PA	ZAP ZDUB OR	5 50	1704770000	ZAP ZDUB OR	5 50	1704770000
End bracket						
	ZEW 15	20	7920340000	ZEW 15	20	7920340000
Fixing blocks						
1 pc. necessary when assembling dark beige Wemid						
blocks (alternative to end terminals) blue Wemid						
Screwdrivers						
Standard	SD 0.6x3.5x100	1	9008330000	SD 0.6x3.5x100	1	9008330000
Mounting foot for TS 15 & TS 35						
dark beige Wemid						
Marking systems (see large assortment in catalogue 7)						
Marking tags	DEK 5 / WS 10/5			DEK 5 / WS 10/5		
For detailed information on other accessories and applications see "Accessories"	Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000).			Terminals can be cross-connected with the help of the ZQB 2.5 (1677120000)		

ZPEB 2.5-2 — 2.5 mm²

Two connections for TS 15 DIN Rail

5.1 x 33.2 x 32
/ 4
0.13 ... 4

IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26... 12	AWG 26... 12	2.5
8 / 3			
A2 / V-0			
			KEMA 97ATEX2755 U

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5

TS 15 - block design

Type	Qty.	Order No.
ZPEB 2.5-2	100	1712810000

Type	Order No.

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP ZDUB	5	50	1704750000
ZEW 15		20	7920340000
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/5

ZDUA 2.5-2 — 2.5 mm²

Two connections for TS 15 DIN Rail

5.1 x 35 x 30.5
30 / 4
0.13 ... 4

IEC 60947-7-1 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
24	20	20	20
2.5	AWG 26... 12	AWG 26... 12	2.5
6 / 3			
A2 / V-0			
			KEMA 97ATEX4678 U

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5

TS 15 - thin element design

Type	Qty.	Order No.
ZDUA 2.5-2	100	1720920000
ZDUA 2.5-2 BL	100	1720930000

Type	Order No.

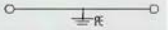
Type	Current [A]	Qty.	Order No.
ZQV 2.5/N/2 GE	24	60	1693300000
ZQV 2.5/N/3 GE	24	60	1693310000
ZQV 2.5/N/4 GE	24	60	1693320000
ZQV 2.5/N/10 GE	24	20	1693380000
ZQV 2.5/N/50 GE	24	5	1693390000
	width [mm]		
ZAP/TW ZDUA	1.5	50	1720960000
ZAP/TW ZDUA BL	1.5	50	1720970000
ZAP/TW ZDUA OR	1.5	50	1720980000
ZEW 15		20	7920340000
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/5

ZPEA 2.5-2 — 2.5 mm²

Two connections for TS 15 DIN Rail

5.1 x 35 x 30.5
/ 4
0.13 ... 4



IEC 60947-7-2 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26... 12	AWG 26... 12	2.5
6 / 3			
A2 / V-0			
			KEMA 97ATEX4678 U

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5

TS 15 - thin element design

Type	Qty.	Order No.
ZPEA 2.5-2	100	1720950000

Type	Order No.

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP/TW ZDUA	1.5	50	1720960000
ZEW 15		20	7920340000
SD 0.6x3.5x100		1	9008330000

DEK 5 / WS 10/5

Terminal blocks for different fixing systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDUA 2.5-2N	ZPEA 2.5-2N
	2.5 mm²	2.5 mm²
	Two connections for TS 15 DIN Rail	Two connections for TS 15 DIN Rail
width x length x height with TS 35 x 7.5 mm	5.1 x 42.3 x 34.7	5.1 x 42.3 x 34.7
max. current / max. conductor A/mm²	30 / 4	/ 4
max. clamping range mm²	0.13 ... 4	0.13 ... 4

Technical data

		ZDUA 2.5-2N	ZPEA 2.5-2N
Rated data		IEC 60947-7-1	IEC 60947-7-2
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage (to adjacent terminal for PE)	V	800 / 600 / 600	
Rated current	A	24 / 20 / 20	
Rated cross-section	mm²	2.5 AWG 26... 12 AWG 26... 12	2.5 AWG 26... 12 AWG 26... 12
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals			
Clamped conductors (H05V / H07V)		Rated connection	Rated connection
Solid / stranded	mm²	0.5... 4	0.5... 4
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 1.5	0.5... 2.5 / 0.5... 1.5
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		TS 15 - thin element design	TS 15 - thin element design

Ordering data

		ZDUA 2.5-2N			ZPEA 2.5-2N		
Central terminals		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	ZDUA 2.5-2N	100	1808200000			
	blue Wemid	ZDUA 2.5-2N BL	100	1808180000			
	yellow Wemid						
	green/yellow Wemid				ZPEA 2.5-2N	100	1808210000
End terminals		Type		Order No.	Type		Order No.
with fixing option	dark beige Wemid						
external, 1 pc. required for	blue Wemid						
Block assembly	yellow Wemid						
Note							

Accessories

		ZDUA 2.5-2N				ZPEA 2.5-2N			
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5N/2 GE	24	60	1693300000				
	3-pole	ZQV 2.5N/3 GE	24	60	1693310000				
	4-pole	ZQV 2.5N/4 GE	24	60	1693320000				
	10-pole	ZQV 2.5N/10 GE	24	20	1693380000				
	50-pole	ZQV 2.5N/50 GE	24	5	1693390000				
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZDUA2.5-2N	2.5	50	1808170000	ZAP/TW ZDUA2.5-2N	2.5	50	1808170000
	blue Wemid								
	orange PA	ZAP/TW ZDUA2.5-2N CR	2.5	50	1808160000				
End bracket		ZEW 15		20	7920340000	ZEW 15		20	7920340000
Fixing blocks									
1 pc. necessary when assembling blocks (alternative to end terminals)	dark beige Wemid								
	blue Wemid								
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Mounting foot for TS 15 & TS 35									
	dark beige Wemid								
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 2.5/2x2AN/LD+ 2.5 mm²	ZDU 2.5/2x2AN/LD- 2.5 mm²
	LED indicator	LED indicator
width x length x height with TS 35 x 7.5 mm	5.1 x 79.1 x 39.5	5.1 x 79.1 x 39.5
max. current / max. conductor A/mm²	/ 4	/ 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4

Technical data

		IEC 60947-7-1				IEC 60947-7-1			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	24				24			
Rated current	A	0.05				0.05			
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 26... 12		2.5	AWG 30... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0			
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A								
voltage LED / current LED / polarity	V / mA / -	24 / 0				24 / 0			
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		Rated connection		further connection		Rated connection		further connection	
Solid / stranded	mm²	0.5... 4				0.5... 4			
Flexible / Flexible with wire end ferrule	mm²	0.5... 4 / 0.5... 2.5				0.5... 4 / 0.5... 2.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid						
see circuit diagram above	dark beige Wemid (red LED)	ZDU 2.5/2X2AN/LD+	20	1692590000	ZDU 2.5/2X2AN/LD-	20	1692600000
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole								
	3-pole								
	4-pole								
	10-pole								
	20-/24-pole								
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW 3	2	50	1608300000	ZAP/TW 3	2	50	1608300000
End bracket			width [mm]				width [mm]		
	dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	ZRH 2.5/1 WS		1000	1614300000	ZRH 2.5/1 WS		1000	1614300000
	for conductors < 1.0 mm² / < AWG 18	ZRH 2.5/2 GR/W		1000	1614290000	ZRH 2.5/2 GR/W		1000	1614290000
Labelling systems (see large assortment in catalogue 7)									
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

ZDU 2.5/2x2AN/D+ — 2.5 mm²

Diode circuit

5.1 x 79.1 x 39.5
/ 4
0.05 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
25			
	6 / 3		
	A3 / V-0		
1000 / 1			

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...25	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D+	20	1650340000

Soldered diode Type 1N 4007, reverse voltage 1000V, current 1 A

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP/TW 3	2	50	1608300000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000

DEK 5 / WS 10/5

ZDU 2.5/2x2AN/D- — 2.5 mm²

Diode circuit

5.1 x 79.1 x 39.5
/ 4
0.05 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
25			
	6 / 3		
	A3 / V-0		
1000 / 1			

Rated connection	further connection
0.5...4	
0.5...4 / 0.5...25	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D-	20	1650350000

Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A

Type	Current [A]	Qty.	Order No.
	width [mm]		
ZAP/TW 3	2	50	1608300000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000

DEK 5 / WS 10/5

Terminals with electronic components

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	ZDU 2.5-2/D+ 2.5 mm²	ZDU 2.5-2/D- 2.5 mm²
	Diode circuit	Diode circuit
width x length x height with TS 35 x 7.5 mm	**5.1** x 50.5 x 44	**5.1** x 50.5 x 44
max. current / max. conductor A/mm²	**/ 2.5**	**/ 2.5**
max. clamping range mm²	**0.05 ... 2.5**	**0.05 ... 2.5**

Technical data

	ZDU 2.5-2/D+	ZDU 2.5-2/D-
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	IEC 400 / UL 600 / CSA 600 / EN 60079-7	IEC 400 / UL 600 / CSA 600 / EN 60079-7
Rated current A	1 / 1 / 1	1 / 1 / 1
Rated cross-section mm²	2.5 / AWG 30... 12 / AWG 26... 12	2.5 / AWG 30... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A2 / V-0	A2 / V-0
Approvals		
Electronic fittings		
Diode reverse voltage / Diode current V / A	1000 / 1	1000 / 1
voltage LED / current LED / polarity V / mA / -		
Resistor / Varistor -/V		
Clamped conductors (H05V/H07V)	**Rated connection / further connection**	**Rated connection / further connection**
Solid / stranded mm²	0.5... 2.5	0.5... 2.5
Flexible / Flexible with wire end ferrule mm²	0.5... 2.5 / 0.5... 1.5	0.5... 2.5 / 0.5... 1.5
Tightening torque range (clamping screw) Nm		
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

	ZDU 2.5-2/D+	ZDU 2.5-2/D-
Version	**Type / Qty. / Order No.**	**Type / Qty. / Order No.**
Terminal configuration dark beige Wemid	ZDU 2.5-2/D+ / 20 / 1779110000	ZDU 2.5-2/D- / 20 / 1779000000
see circuit diagram above dark beige Wemid (red LED)		
Note	Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A	Soldered diode Type 1N 4007, reverse voltage 1000V, current 1 A

Accessories

	ZDU 2.5-2/D+	ZDU 2.5-2/D-
Cross-connection, pluggable	**Type / Current [A] / Qty. / Order No.**	**Type / Current [A] / Qty. / Order No.**
2-pole	ZQV 2.5/2 / 24 / 60 / 1608360000	ZQV 2.5/2 / 24 / 60 / 1608360000
3-pole	ZQV 2.5/3 / 24 / 60 / 1608370000	ZQV 2.5/3 / 24 / 60 / 1608370000
4-pole	ZQV 2.5/4 / 24 / 60 / 1608380000	ZQV 2.5/4 / 24 / 60 / 1608380000
10-pole	ZQV 2.5/10 / 24 / 20 / 1608940000	ZQV 2.5/10 / 24 / 20 / 1608940000
20-/24-pole	ZQV 2.5/20 / 24 / 20 / 1608960000	ZQV 2.5/20 / 24 / 20 / 1608960000
End plate / Partition plate	**width [mm]**	**width [mm]**
dark beige Wemid	ZAP/TW7 / 2.5 / 50 / 1706110000	ZAP/TW7 / 2.5 / 50 / 1706110000
End bracket	**width [mm]**	**width [mm]**
dark beige / beige	ZEW 35 / 6 / 20 / 9540000000	ZEW 35 / 6 / 20 / 9540000000
Screwdrivers		
with cutting device "swiftly set"		
Standard	SD 0.6x3.5x100 / 1 / 9008330000	SD 0.6x3.5x100 / 1 / 9008330000
Reducing sleeves		
for conductors < 0.5 mm² / < AWG 20	ZRH 1.5/1 / 1000 / 1678310000	ZRH 1.5/1 / 1000 / 1678310000
for conductors < 1.0 mm² / < AWG 18	ZRH 1.5/2 / 1000 / 1678300000	ZRH 1.5/2 / 1000 / 1678300000
Labelling systems (see large assortment in catalogue 7)		
Marking tags	DEK 5 / WS 14/5	DEK 5 / WS 14/5
For detailed information on other accessories and applications see "Accessories"		

ZDK 2.5/LD RT/1 — 2.5 mm²

LED circuit

5.1 x 79.1 x 54
/ 2.5
0.05 ... 2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24	24	24	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	/ 3		
	A2 / V-0		

24 / 0

Rated connection	further connection
0.5... 2.5	
0.5... 2.5 / 0.5... 1.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5/LD RT/1	50	1690010000

Current of continuous busbar = 10 A

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK 2.5	1.5	20	1674730000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/H/1		1000	1678810000
ZRH 1.5/H/2		1000	1678800000

DEK 5 / WS 10/5

ZDK 2.5/LD RT/2 — 2.5 mm²

LED circuit

5.1 x 79.1 x 54
/ 2.5
0.05 ... 2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24	24	24	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	/ 3		
	A2 / V-0		

24 / 0

Rated connection	further connection
0.5... 2.5	
0.5... 2.5 / 0.5... 1.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5/LD RT/2	50	1693940000

Current of continuous busbar = 10 A

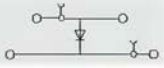
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK 2.5	1.5	20	1674730000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/H/1		1000	1678810000
ZRH 1.5/H/2		1000	1678800000

DEK 5 / WS 10/5

ZDK 2.5/D/1 — 2.5 mm²

Diode circuit

5.1 x 79.1 x 54
/ 2.5
0.05 ... 2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	10	10	
2.5	AWG 30... 14	AWG 26... 12	
	6 / 3		
	A2 / V-0		

1000 / 1

Rated connection	further connection
0.5... 2.5	
0.5... 2.5 / 0.5... 1.5	

10 / 0.6 x 3.5

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/1	50	1690020000

Soldered diode Type 1N 4007, reverse voltage 1000 V, current 1 A, current of continuous busbar = 10 A

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK 2.5	1.5	20	1674730000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5/H/1		1000	1678810000
ZRH 1.5/H/2		1000	1678800000

DEK 5 / WS 10/5

Terminals with electronic components

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

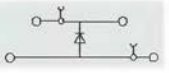
ZDK 2.5/D/2 — 2.5 mm²

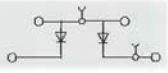
Diode circuit

ZDK 2.5/D/4 — 2.5 mm²

Diode circuit

		ZDK 2.5/D/2	ZDK 2.5/D/4
width x length x height with TS 35 x 7.5	mm	5.1 x 79.1 x 54	5.1 x 79.1 x 54
max. current / max. conductor	A/mm²	/ 2.5	/ 2.5
max. clamping range	mm²	0.05 ... 2.5	0.05 ... 2.5





Technical data

Rated data		ZDK 2.5/D/2	ZDK 2.5/D/4
		IEC 60947-7-1	IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	500 / 300 / 300
Rated current	A	10 / 10 / 10	10 / 10 / 10
Rated cross-section	mm²	2.5 / AWG 30... 14 / AWG 26... 12	2.5 / AWG 30... 14 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A2 / V-0	A2 / V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A	1000 / 1	1000 / 1
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 2.5	0.5... 2.5
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 1.5	0.5... 2.5 / 0.5... 1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
Note		2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ6/5 crimping tool.

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	ZDK 2.5/D/2	50	1690030000	ZDK 2.5/D/4	50	1690040000
see circuit diagram above	dark beige Wemid (red LED)						
Note		Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A, current of continuous busbar = 10 A			Soldered diode Type 1N 4007, reverse voltage 1000V, current 1 A, current of continuous busbar = 10 A		

Accessories

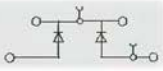
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole		ZQV 2.5/2	24	60	1608360000	ZQV 2.5/2	24	60	1608360000
3-pole		ZQV 2.5/3	24	60	1608370000	ZQV 2.5/3	24	60	1608370000
4-pole		ZQV 2.5/4	24	60	1608380000	ZQV 2.5/4	24	60	1608380000
10-pole		ZQV 2.5/10	24	20	1608940000	ZQV 2.5/10	24	20	1608940000
20-/24-pole		ZQV 2.5/20	24	20	1608960000	ZQV 2.5/20	24	20	1608960000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZDK2.5	1.5	20	1674730000	ZAP/TW ZDK2.5	1.5	20	1674730000
End bracket			width [mm]				width [mm]		
	dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers									
with cutting device "swiftly set"		SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Standard									
Reducing sleeves									
for conductors < 0.5 mm² / < AWG 20		ZRH 1.5/1		1000	1678310000	ZRH 1.5/1		1000	1678310000
for conductors < 1.0 mm² / < AWG 18		ZRH 1.5/2		1000	1678300000	ZRH 1.5/2		1000	1678300000
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 5 / WS 10/5				DEK 5 / WS 10/5			

For detailed information on other accessories and applications see "Accessories"

ZDK 2.5/D/5 — 2.5 mm²

Diode circuit

5.1 x 79.1 x 54
/ 2.5
0.05 ... 2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	10	10	
2.5	AWG 30... 14	AWG 26... 12	
	6 / 3		
	A2 / V-0		

1000 / 1

Rated connection	further connection
0.5... 2.5	
0.5... 2.5 / 0.5... 1.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5/D/5	50	1690050000

Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A; current of continuous busbar = 10 A

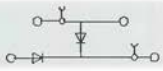
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK2.5	1.5	20	1674730000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000

DEK 5 / WS 10/5

ZDK 2.5/D/6 — 2.5 mm²

Diode circuit

5.1 x 79.1 x 54
/ 2.5
0.05 ... 2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	10	10	
2.5	AWG 30... 14	AWG 26... 12	
	6 / 3		
	A2 / V-0		

1000 / 1

Rated connection	further connection
0.5... 2.5	
0.5... 2.5 / 0.5... 1.5	
10 / 0.6 x 3.5	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool

Type	Qty.	Order No.
ZDK 2.5/D/6	50	1690060000

Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A; current of continuous busbar = 10 A

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	1608360000
ZQV 2.5/3	24	60	1608370000
ZQV 2.5/4	24	60	1608380000
ZQV 2.5/10	24	20	1608940000
ZQV 2.5/20	24	20	1908960000
	width [mm]		
ZAP/TW ZDK2.5	1.5	20	1674730000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6x3.5x100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000

DEK 5 / WS 10/5

Terminals with electronic components

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZDK 4-2/D forward	4 mm²	ZDK 4-2/D reverse	4 mm²
		Diode circuit		Diode circuit	
width x length x height with TS 35 x 7.5	mm	6.1 x 77.6 x 61		6.1 x 77.6 x 61	
max. current / max. conductor	A/mm²	/ 6		/ 6	
max. clamping range	mm²	0.13 ... 6		0.13 ... 6	

Technical data

		IEC 60947-7-1				IEC 60947-7-1			
Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	300	300		800	300	300	
Rated current	A	1	1	1		1	1	1	
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10		4	AWG 26... 10	AWG 26... 10	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A3 / V-0			
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A	1000 / 1				1000 / 1			
voltage LED / current LED / polarity	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		Rated connection		further connection		Rated connection		further connection	
Solid / stranded	mm²	0.5...6 / 4...4				0.5...6 / 4...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	ZDK 4-2/D forward	50	8670520000	ZDK 4-2/D reverse	50	8670640000
see circuit diagram above	dark beige Wemid (red LED)						
Note		Soldered diode, Type 1N 4007, reverse voltage 1000V, current 1 A, current of continuous busbar = 10 A			Soldered diode Type 1N 4007, reverse voltage 1000V, current 1 A, current of continuous busbar = 10 A		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4/2 GE	32	60	1608960000	ZQV 4/2 GE	32	60	1608960000
	3-pole	ZQV 4/3 GE	32	60	1608960000	ZQV 4/3 GE	32	60	1608960000
	4-pole	ZQV 4/4 GE	32	60	1608970000	ZQV 4/4 GE	32	60	1608970000
	10-pole	ZQV 4/10 GE	32	20	1609030000	ZQV 4/10 GE	32	20	1609030000
	20-/24-pole	ZQV 4/20 GE	32	20	1909010000	ZQV 4/20 GE	32	20	1909010000
End plate / Partition plate			width [mm]				width [mm]		
	dark beige Wemid	ZAP/TW ZDK 4-2	2	50	8670760000	ZAP/TW ZDK 4-2	2	50	8670760000
End bracket			width [mm]				width [mm]		
	dark beige / beige	ZEW 35	6	20	9540000000	ZEW 35	6	20	9540000000
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20								
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 6				DEK 6			
For detailed information on other accessories and applications see "Accessories"									

ZDK 4-2/MOV — 4 mm²

Varistor

6.1 x 77.6 x 61
/6
0.08 ... 6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
140			
1			
4			
	8 / 3		
	A3 / V-0		

140

Rated connection	further connection
0.5...6 / 4...4	
0.5...4 / 0.5...4	
11 / 0.6 x 3.5	

Type	Qty.	Order No.
ZDK4-2/S07 K140	50	8670700000

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	1608950000
ZQV 4/3 GE	32	60	1608960000
ZQV 4/4 GE	32	60	1608970000
ZQV 4/10 GE	32	20	1609030000
ZQV 4/20 GE	32	20	1909010000
	width [mm]		
ZAP/TW ZDK 4-2	2	50	8670760000
	width [mm]		
ZEW 35	6	20	9540000000
SD 0.6X3.5X100		1	9008330000

DEK 6

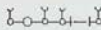
Disconnect test terminals

Terminal for energy supply

	ZTD 6	ZTL 6
	6 mm²	6 mm²
	Feed-through terminal	Disconnect test terminal

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		ZTD 6	ZTL 6
width x length x height with TS 35 x 7.5	mm	8 x 106 x 47.5	8 x 106 x 47.5
max. current / max. cond. cross-section	A/mm²	52 / 10	52 / 10
max. clamping range	mm²	0.5 ... 10	0.5 ... 10



Technical data

IEC 60947-7-1 / VDE 0100-537

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	300	300	
Rated current	A	41	33	33	
Rated cross-section	mm²	6	AWG 20... 8	AWG 20... 8	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A5 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...10 / 1.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...6 / 0.5...6	
Tightening torque range (clamping screw)	Nm		
Tightening torque range (disconnector)	Nm		
Stripping length / Blade size	mm / -	13 / 0.8 x 4	

Note	
	400V when used as a disconnect terminal. Tightening torque for disconnection element of ZTL 6 with screw = 0.5 - 0.6 Nm

IEC 60947-7-1 / VDE 0100-537

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	300	300	
Rated current	A	41	33	33	
Rated cross-section	mm²	6	AWG 20... 8	AWG 20... 8	
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A5 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...10 / 1.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...6 / 0.5...6	
Tightening torque range (clamping screw)	Nm	0.5...0.6 Nm	
Tightening torque range (disconnector)	Nm		
Stripping length / Blade size	mm / -	13 / 0.8 x 4	

Note	
	400V when used as a disconnect terminal. Tightening torque for disconnection element of ZTL 6 with screw = 0.5 - 0.6 Nm

Ordering data

Version		Type	Qty.	Order No.
dark beige Wemid	with socket	ZTD 6/STB	20	1771960000
	without socket	ZTD 6	20	1771810000

Note	

Version		Type	Qty.	Order No.
dark beige Wemid	with socket	ZTL 6/STB	20	1771950000
	without socket	ZTL 6	20	1771800000

Note	

Accessories

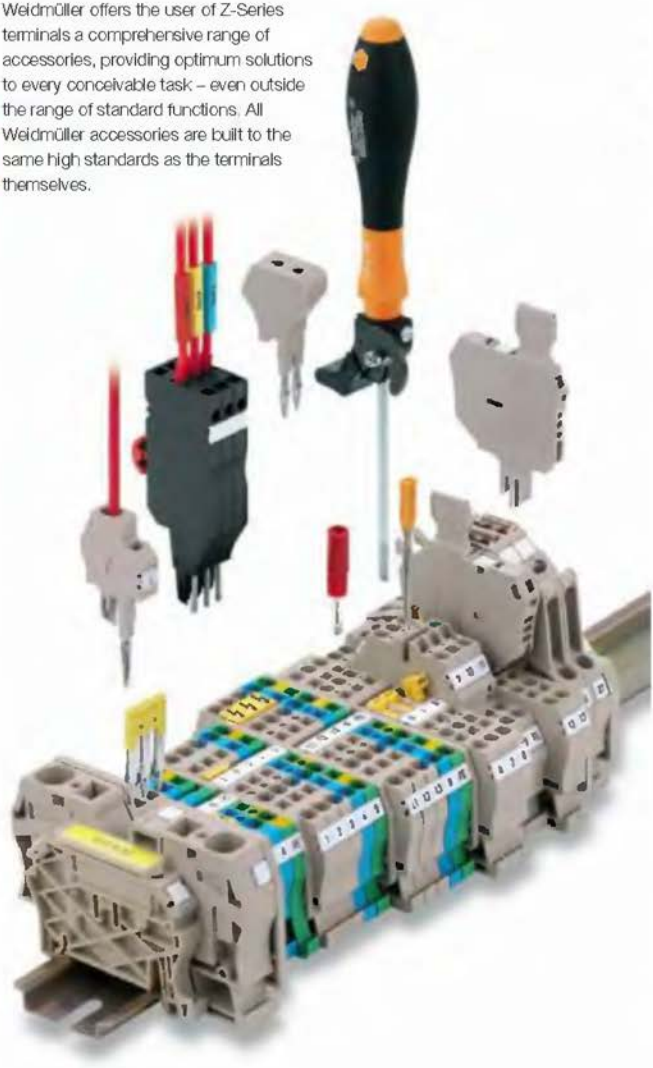
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41	60	1627850000
	3-pole	ZQV 6/3 GE	41	60	1627860000
	4-pole				
	10-pole				
	24-pole				
End plate / Partition plate			width [mm]		
dark beige Wemid	End plate	ZTW ZTL6	2	20	1771870000
	Partition plate				
Testing / Checking					
	Test plug	PS 4 FSTB 4		20	0299600000
	Socket, yellow	STB 2I 6/IH/GE WTL6/3		50	1071010000
	Socket, green	STB 2I 6/IH/GN WTL6/3		50	1071020000
	Socket, violet	STB 2I 6/IH/VI WTL6/3		50	1071030000
	Socket, blue	STB 2I 6/IH/BL WTL6/3		50	1071080000
Miscellaneous accessories					
	Lockout device				
	Shorting plug, 2-pole	KSBR/2 ZTL6		20	1771820000
	Shorting plug, 3-pole	KSBR/3 ZTL6		20	1771830000
	Shorting plug, 4-pole	KSBR/4 ZTL6		20	1771840000
Marking holder					
		BZT ZTL6		20	1781140000
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	DEK 8 / WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Plug-in tag carrier for additional marking tags above the cross-connection channel (BZT ZTL6)			

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41	60	1627850000
	3-pole	ZQV 6/3 GE	41	60	1627860000
	4-pole				
	10-pole				
	24-pole				
End plate / Partition plate			width [mm]		
		ZTW ZTL6	2	20	1771870000
Testing / Checking					
		PS 4 FSTB 4		20	0299600000
		STB 2I 6/IH/GE WTL6/3		50	1071010000
		STB 2I 6/IH/GN WTL6/3		50	1071020000
		STB 2I 6/IH/VI WTL6/3		50	1071030000
		STB 2I 6/IH/BL WTL6/3		50	1071080000
Miscellaneous accessories					
		KSBR/2 ZTL6		20	1771820000
		KSBR/3 ZTL6		20	1771830000
		KSBR/4 ZTL6		20	1771840000
Marking holder					
		BZT ZTL6		20	1781140000
Marking systems	(see large assortment in catalogue 7)				
		DEK 8 / WS 12/6,5			
		Plug-in tag carrier for additional marking tags above the cross-connection channel (BZT ZTL6)			

Extra functions

Extra functions

Weidmüller offers the user of Z-Series terminals a comprehensive range of accessories, providing optimum solutions to every conceivable task – even outside the range of standard functions. All Weidmüller accessories are built to the same high standards as the terminals themselves.



Visual separation

Page D.118

To guarantee "finger-safe" use of terminals, the open sides are covered with end cover plates and partition plates to prevent any contact with conducting parts.
End cover plates and partition plates also come in different colours so that they can be used for visual separation of different circuits.

Pluggable terminals

Page D.128

WeiCoS
Weidmüller **Co**nnection **S**ystem
This new generation of pluggable terminals is structured on the modular principle. The basic elements of the WeiCoS system are one terminal for the functional unit on the mounting rail and a plug-in connector for elements to be connected (cable harness production).

Fastening

Chapter F

An end bracket is fitted on the mounting rail to the right and left of the terminals to ensure that they sit firmly in position.
The marking surface of the end bracket can also be used for group marking.
Details of the wide range of Weidmüller end brackets and mounting rails are given in **Chapter F.**

Electrical supply

Page D.121

Weidmüller's tension clamp terminals have three supply terminals:
ZEI 16 for standard terminals
ZEI 16-2/1 AN for Roof-Style terminals
ZEI 6 for ZDU 1.5 ...
Cross-connections divide the supply current into several feeder currents. Current is supplied across a conductor cross-section of 16 mm² and then distributed across neighbouring terminals for 1.5 mm², 2.5 mm², 4 mm² and 6 mm² cross-sectional areas.

Electrical distribution

Page D.123

A plug-in **cross-connection system (ZQV)** is available for all Z-Series terminals.
The current is distributed across any number of terminals by simply plugging the cross-connection into the middle of the terminals. As a rule, 400 V can be conveyed across the cross-section, depending on the rated voltage of the terminal.

Testing

Page D.134

The slot-in test adapter (ZTA) is used as a single unit and as a test adapter strip for voltage measurement in control cabinets.
The test adapter is ideal for convenient, rational testing of assembled terminals.
It is simply slotted onto the terminal. This creates contact with the current carrying busbar.
The unit is released from the terminal simply by pressing the release button.

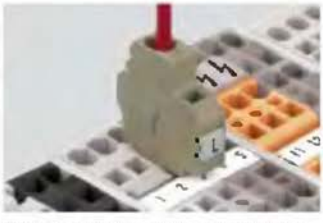
Marking and connecting

Page D.136

Weidmüller's marking systems in **chapter F** are used to mark tension clamp terminals. Individual terminals, terminal groups and conductors can be marked.
The conductors are connected in the tension clamp terminals with standard screwdrivers, as shown in **chapter F.**
As an alternative to screwdrivers, fully insulated operating tools are also available; see page D.136.

Specific functions/ colour variations

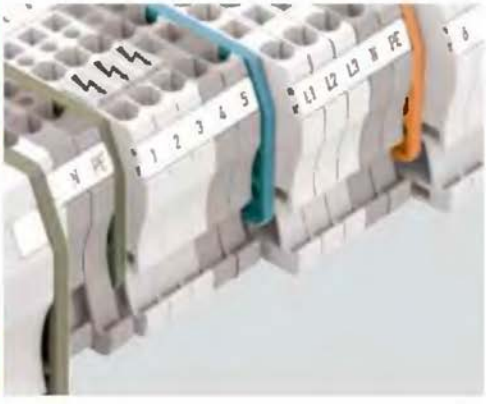
Page D.137



Further helpful accessories are available for terminals using tension clamp technology, such as:

- Pluggable extra connections (ZZA)
- Housings for installation of electronic components (ZBS 1)
- Pluggable fuse holder (SIHA 1 to SIHA 3)
- Terminals in various colours.
- Accessories for fuses
- Reducing sleeves

End plates



Shock protection

With only a few exceptions, the final terminal in a terminal assembly must be covered with an end plate of type ZAP/TW. End plates (AP) are also to be inserted in a terminal assembly with different sized terminals. This guarantees shock protection from conducting parts and ensures that the terminals are "finger-safe".

Visual separation

Coloured end plates are frequently used for visual separation of power circuits in order to prevent wiring errors.

Ensure correct operating voltage

End plates can also be used to ensure the necessary creepage and clearance paths are present to make sure that the rated voltage for the application is provided. For example, cross-connections can be set directly next to each other.

Identical contours

The outer dimensions of the end plates correspond to the dimensions of the terminal.

Mounting

The end plate can simply be clipped onto the corresponding terminal. Recesses in the terminals ensure that contours are identical with correct positioning.

... for standard terminals

Type	Colour	Qty	Order No.	For terminal:
Width 2 mm				
ZAP/TW ZDU 1.5/2	dark beige	50	1776030000	ZDU 1.5
ZAP/TW ZDU 1.5/2 AN BL	blue	50	1776040000	ZPE 1.5
ZAP/TW ZDU 1.5/2 AN OR	orange	50	1776050000	
Width 2 mm				
ZAP/TW ZDU 1.5/3 AN	dark beige	50	1776060000	ZDU 1.5/3 AN
ZAP/TW ZDU 1.5/3 AN BL	blue	50	1776070000	ZPE 1.5/3 AN
ZAP/TW ZDU 1.5/3 AN OR	orange	50	1776080000	
Width 2 mm				
ZAP/TW ZDU 1.5/4 AN	dark beige	50	1776090000	ZDU 1.5/4 AN
ZAP/TW ZDU 1.5/4 AN BL	blue	50	1776100000	ZPE 1.5/4 ANL
ZAP/TW ZDU 1.5/4 AN OR	orange	50	1776110000	
Width 2 mm				
ZAP/TW ZDK1.5	dark beige	20	1791160000	ZDK 1.5
ZAP/TW ZDK1.5 BL	blue	20	1791170000	ZDK 1.5 V
ZAP/TW ZDK1.5 OR	orange	20	1791180000	ZDK 1.5 PE
Width 2 mm				
ZAP/TW 1	dark beige	50	1608740000	ZDU 2.5
ZAP/TW 1 BL	blue	50	1608750000	ZPE 2.5
ZAP/TW 1 OR	orange	50	1608760000	ZTR 2.5
ZAP/TW 1 GE	yellow	50	1683670000	
ZAP/TW 1 GN	green	50	1683680000	
ZAP/TW 1 GR	grey	50	1683710000	
ZAP/TW 1 RT	red	50	1683660000	
ZAP/TW 1 SW	black	50	1683730000	
ZAP/TW 1 WS	white	50	1683720000	
Width 2 mm				
ZAP/TW 2 DB	dark beige	50	1608770000	ZDU 2.5/3 AN
ZAP/TW 2 BL	blue	50	1608780000	ZPE 2.5/3 AN
ZAP/TW 2 OR	orange	50	1608790000	
ZAP/TW 2 GE	yellow	50	1683750000	
ZAP/TW 2 GN	green	50	1683760000	
ZAP/TW 2 GR	grey	50	1683790000	
ZAP/TW 2 RT	red	50	1683740000	
ZAP/TW 2 SW	black	50	1683810000	
ZAP/TW 2 WS	white	50	1683800000	
Width 2 mm				
ZAP/TW 3	dark beige	50	1608800000	ZDU 2.5/4 AN
ZAP/TW 3 BL	blue	50	1608810000	ZDU 2.5/2x2 AN..
ZAP/TW 3 OR	orange	50	1608820000	ZPE 2.5/4 AN
ZAP/TW 3 GE	yellow	50	1683830000	ZTR 2.5/3 AN..
ZAP/TW 3 GN	green	50	1683840000	ZTR 2.5/4 AN
ZAP/TW 3 GR	grey	50	1683870000	ZSI 2.5..
ZAP/TW 3 RT	red	50	1683820000	ZSI 2.5/5 x 25..
ZAP/TW 3 SW	black	50	1683890000	
ZAP/TW 3 WS	white	50	1683880000	
Width 2 mm				
ZAP/TW ZDK2.5	dark beige	20	1674730000	ZDK 2.5
ZAP/TW ZDK2.5 BL	blue	20	1748300000	ZDK 2.5 V
ZAP/TW ZDK2.5 OR	orange	20	1690080000	ZDK 2.5 N-DU ZDK 2.5 DU-PE ZDK 2.5 PE ZDK 2.5/LD/1 ZDK 2.5/LD/2 ZDK 2.5/D/1... 6
Width 2 mm				
ZAP ZDLD 2.5-2 N	dark beige	20	1782340000	ZDLD 2.5-2 N
ZAP ZDLD 2.5-2 N BL	blue	20	1782350000	ZDLD 2.5-2 VN
ZAP ZDLD 2.5-2 N OR	orange	20	1782360000	

... for standard terminals

Type	Colour	Qty	Order No.	For terminal:
Width 1.5 mm				
ZAP/ZMAK 2.5	dark beige	10	1768010000	ZMAK 2.5
Width 1.5 mm				
AP ZDTR2.5	dark beige	20	1745420000	ZDTR 2.5
AP ZDTR2.5 BL	blue	20	1798340000	
AP ZDTR2.5 OR	orange	20	1745430000	
Width 2 mm				
ZAP/TW 4 DB	dark beige	50	1632090000	ZDU 4
ZAP/TW 4 BL	blue	50	1632100000	ZPE 4
ZAP/TW 4 OR	orange	50	1632110000	
ZAP/TW 4 GE	yellow	50	1683910000	
ZAP/TW 4 GN	green	50	1683920000	
ZAP/TW 4 GR	grey	50	1683950000	
ZAP/TW 4 RT	red	50	1683900000	
ZAP/TW 4 SW	black	50	1683970000	
ZAP/TW 4 WS	white	50	1683960000	
Width 2 mm				
ZAP/TW 4/3 AN	dark beige	20	7904100000	ZDU 4/3 AN
ZAP/TW 4/3 AN BL	blue	20	7904110000	ZPE 4/3 AN
ZAP/TW 4/3 AN OR	orange	20	7904120000	
Width 2 mm				
ZAP/TW 4/4 AN	dark beige	20	7904210000	ZDU 4/4 AN
ZAP/TW 4/4 AN BL	blue	20	7904220000	ZPE 4/4 AN
ZAP/TW 4/4 AN OR	orange	20	7904230000	
Width 2 mm				
ZAP/TW 5	dark beige	50	1608830000	ZDU 6
ZAP/TW 5 BL	blue	50	1608840000	ZPE 6
ZAP/TW 5 OR	orange	50	1608850000	
Width 2 mm				
ZAP/TW 6/3 AN	dark beige	20	7907370000	ZDU 6/3 AN
ZAP/TW 6/3 AN BL	blue	20	7907380000	ZPE 6/3 AN
ZAP/TW 6/3 AN OR	orange	20	7907390000	
Width 2.7 mm				
ZAP/TW ZDU 10	dark beige	20	1748660000	ZDU 10
ZAP/TW ZDU 10 BL	blue	20	1764110000	ZPE 10
ZAP/TW ZDU 10 OR	orange	20	1748670000	
Width 2.7 mm				
ZAP/TW 10/16	dark beige	20	1749580000	ZDU 10/3 AN
ZAP/TW 10/16 BL	blue	20	1768520000	ZDU 16/3 AN
ZAP/TW 10/16 OR	orange	20	1749590000	ZPE 10/3 AN
				ZPE 16/3 AN
Width 2.7 mm				
ZAP/TW ZDU16	dark beige	20	1745150000	ZDU 16
ZAP/TW ZDU16 BL	blue	20	1764100000	ZPE 16
ZAP/TW ZDU16 OR	orange	20	1745160000	

... for Roof-Style terminals

Type	Colour	Qty	Order No.	For terminal:
Width 2 mm				
ZAP/TW7	dark beige	50	1706110000	ZDU 2.5-2
ZAP/TW7 BL	blue	50	1706120000	ZDU 2.5-2/3 AN
ZAP/TW7 OR	orange	50	1706130000	ZDU 2.5-2/4 AN
				ZPE 2.5-2
				ZPE 2.5-2/3 AN
				ZPE 2.5-2/4 AN
				ZTR 2.5-2
Width 2 mm				
ZAP/TW ZDK 2.5-2	dark beige	20	1791050000	ZDK 2.5-2
ZAP/TW ZDK 2.5-2 BL	blue	20	1791060000	ZDK 2.5-2 PE
ZAP/TW ZDK 2.5-2 OR	orange	20	1791070000	
Width 2 mm				
ZAP/TW ZDKPE 2.5-2	dark beige	20	1805960000	ZDKPE 2.5-2
ZAP/TW ZDKPE 2.5-2 OR	orange	20	1805970000	
Width 2 mm				
ZAP ZDU 4-2	dark beige	50	1770400000	ZDU 4-2
ZAP ZDU 4-2 BL	blue	50	1770880000	ZDU 4-2/3 AN
ZAP ZDU 4-2 OR	orange	50	1770890000	ZPE 4-2
				ZPE 4-2/3 AN
Width 2 mm				
ZAP ZDU 4-2/4 AN	dark beige	50	1807010000	ZDU 4-2/4 AN
ZAP ZDU 4-2/4 AN BL	blue	50	1807020000	ZPE 4-2/4 AN
ZAP ZDU 4-2/4 AN OR	orange	50	1807030000	
Width 2 mm				
ZAP ZDU 6-2	dark beige	50	1771440000	ZDU 6-2
ZAP ZDU 6-2 BL	blue	50	1771450000	ZDU 6-2/3 AN
ZAP ZDU 6-2 OR	orange	50	1771460000	ZPE 6-2
ZAP ZDU 6-2 SW	black	50	1814710000	ZPE 6-2/3 AN
				ZSI 2.5/2 x 2 AN
				ZSI 6-2
				ZSI 6-2/ FC
Width 1.8 mm				
ZAP/ZDU 16-2/1AN	dark beige	20	1772970000	ZPE 16-2/1 AN

Accessories – Visual separation

... for initiator actuator terminals

Type	Colour	Qty	Order No.	For terminal:
Width 5 mm				
ZAP/TW ZPV 1.5	dark beige	50	1674650000	ZPV 1.5
Width 5 mm				
ZAP/TWZIA 1.5/3L	dark beige	50	1649540000	ZIA1.5/3L-1S ZIA1.5/3L-PE
Width 2.5 mm				
ZAP/TWZIA 1.5/4L	dark beige	50	1649550000	ZIA1.5/4L-1S ZIA1.5/4L-PE
Width 5.1 mm				
AP ZRV 1.5 DB	dark beige	10	1698180000	

... for mini terminals

Type	Colour	Qty	Order No.	For terminal:
Width 1.5 mm				
ZAP/TW ZDUA	dark beige	50	1720960000	ZDUA 2.5-2
ZAP/TW ZDUA BL	blue	50	1720970000	ZPEA 2.5-2
ZAP/TW ZDUA OR	orange	50	1720980000	
Width 2 mm				
ZAP/TW ZDUA2.5-2N	dark beige	50	1808170000	ZDUA 2.5-2N
ZAP/TW ZDUA2.5-2N BL	blue	50	1808150000	ZPEA 2.5-2N
ZAP/TW ZDUA2.5-2N OR	orange	50	1808160000	
Width 5.1 mm				
ZAP ZDUB	dark beige	50	1704750000	ZDUB 2.5/2 AN...
ZAP ZDUB BL	blue	50	1704760000	ZDUB 2.5/4 AN...
ZAP ZDUB OR	orange	50	1704770000	ZPEB 2.5/2 AN
Width 5.1 mm				
ZTW ZDUB	dark beige	50	1704340000	ZDUB 2.5/2 AN... ZDUB 2.5/4 AN... ZPEB 2.5/2 AN

... for installation terminals

Type	Colour	Qty	Order No.	For terminal:
Width 1.5 mm				
ZAP ZDL 2.5S	dark beige	20	1720900000	ZDL 2.5/S...
Width 3 mm				
ZHP ZDL 2.5S BL	blue	20	1720890000	ZDL 2.5/S...
ZHP Z/W BL	blue	20	1745180000	ZDK 4/S... ZDK 6/S...
Width 5 mm				
ZHP Z/W SO		20	1781070000	ZDL 2.5/S... ZDK 4/S... ZDK 6/S...
Width 1.5 mm				
ZAP ZDL 2.5	dark beige	20	1720910000	ZDL 2.5...
Width 1.5 mm				
ZAP ZDU 2.5 S	dark beige	20	1808030000	ZDU 2.5 S
ZAP ZDU 2.5 S BL	blue	20	1808040000	ZNT 2.5 S
ZAP ZDU 2.5 S OR	orange	20	1808050000	ZPE 2.5 S
Width 1.5 mm				
ZAP ZDU 4 S	dark beige	20	1808380000	ZDU 4 S
ZAP ZDU 4 S BL	blue	20	1808390000	ZNT 4 S
ZAP ZDU 4 S OR	orange	20	1808400000	ZPE 4 S
Width 1.5 mm				
ZAP ZDU 6 S	dark beige	20	1808250000	ZDU 6 S
ZAP ZDU 6 S BL	blue	20	1808260000	ZNT 6 S
ZAP ZDU 6 S OR	orange	20	1808270000	ZPE 6 S
Width 2 mm				
ZAP ZDU 10/16 S	dark beige	20	1739660000	ZDU 10 S, ZDU 16 S ZNT 10 S, ZNT 16 S ZPE 10 S, ZPE 16 S
Width 2 mm				
ZAP/ZDK 4/6/S	dark beige	20	1733240000	ZDK 4/S... ZDK 6/S...
Width 3 mm				
ZHP S SO		20	1808280000	ZDU 2.5 S
ZHP S		20	1808290000	ZNT 2.5 S ZPE 2.5 S ZDU 4 S, ZDU 6 S ZNT 4 S, ZNT 6 S ZPE 4 S, ZPE 6 S ZDU 10 S, ZDU 16 S ZNT 10 S, ZNT 16 S ZPE 10 S, ZPE 16 S

... for WeiCoS pluggable terminals

Type	Colour	Qty	Order No.	For terminal:
Width 2.5 mm				
ZAP/TW ZT 2.5/2 AN	dark beige	50	1816030000	ZT 2.5/2 AN/1
ZAP/TW ZT 2.5/2 AN OR	orange	50	1816040000	ZTPE 2.5/2 AN/1
Width 2.5 mm				
ZAP/TW ZT 2.5/3 AN	dark beige	50	1816050000	ZT 2.5/3 AN/1
ZAP/TW ZT 2.5/3 AN OR	orange	50	1816060000	ZTPE 2.5/3 AN/1
Width 2.5 mm				
ZAP/TW ZT 2.5/4 AN/2	dark beige	50	1816070000	ZT 2.5/4 AN/2
ZAP/TW ZT 2.5/4 AN/2 OR	orange	50	1816080000	ZTPE 2.5/4 AN/2
Width 2.5 mm				
ZAP/TW ZT 2.5/4 AN/4	dark beige	50	1816090000	ZT 2.5/4 AN/4
ZAP/TW ZT 2.5/4 AN/4 OR	orange	50	1816100000	ZTPE 2.5/4 AN/4 ZTC 2.5/4 AN/4 ZTCPE 2.5/4 AN/4
Width 2.5 mm				
ZAP/TW ZDT 2.5/2	dark beige	50	1816110000	ZDT 2.5/2
ZAP/TW ZDT 2.5/2 OR	orange	50	1816120000	ZDT 2.5/2 DU-PE ZDT 2.5/2 PE
ZAP/TW ZTTR 2.5	dark beige	50	1865520000	ZTTR 2.5/2AN/1

... for other applications

Type	Colour	Qty	Order No.	For terminal:
Width 2 mm				
ZTW ZTL6	dark beige	20	1771870000	ZTL 6/STB
ZTW ZTL6 OR	orange	20	1771880000	ZTD 6
Width 1.5 mm				
ZAP ZDU 4 NT	dark beige	20	1757970000	ZDU 4NT
ZHP ZDU4/NT SO		20	1803890000	
Width 2 mm				
ZAP ZDU 10/16S	dark beige	20	1739660000	ZDU 10 NT

ZEI 16 supply terminal

Integrated partition plate

Output possible on left and right

The ZEI 16 supply terminal can be used for supplying current up to a conductor cross-section of 25 mm².
Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

Output options and corresponding cross-connections

Supply terminals	Output terminals	Cross-connection	Supply left	Supply right
ZEI 16	**ZDU 2.5**	**ZQV 2.5/...**	•	•
	ZDU 2.5/4AN	**ZQV 2.5/...**	•	•
	ZDU 4	**ZQV 4/...**	•	•
	ZDU 4/3AN	**ZQV 4/...**	•	• 1)
	ZDU 4/4AN	**ZQV 4/...**	•	• 1)
	ZDU 6	**ZQV 6/...**	•	•
	ZDU 6/3AN	**ZQV 6/...**	•	• 1)
	ZTR 2.5	**ZQV 2.5/...**	• 2)	• 2)
	ZTR 2.5/3AN	**ZQV 2.5/...**	• 2)	• 2)
	ZTR 2.5/4AN	**ZQV 2.5/...**	•	•
Supply terminals	Output terminals	Cross-connection	Supply left	Supply right
ZEI 6	**ZDU 1.5**	**ZQV 1.5/...**	•	•
	ZDU 1.5/3AN	**ZQV 1.5/...**	•	•
	ZDU 1.5/4AN	**ZQV 1.5/...**	•	• 1)

1) with IEPL 2) with QVAR

I_{max} = Σ I_n (left)

I_{max} = Σ I_n (left) + Σ I_n (right)

I_{max} = Σ I_n (right)

Ordering data

Type	Colour	Qty	Order No.
ZEI 16	dark beige	20	1745350000
ZEI 16 BL	blue	20	1766240000
IEPL	dark beige	20	1859570000*
QVAR	dark beige	20	1836370000*

* Notes for application see page C 45

Maximum possible current I_{max}

Supply terminals	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
ZDU 2.5	**ZQV 2.5**	16 mm² 25 mm²	48 A 48 A	76 A 89 A
ZDU 2.5/4AN	**ZQV 2.5**	16 mm² 25 mm²	48 A 48 A	76 A 89 A
ZDU 4	**ZQV 4**	16 mm² 25 mm²	64 A 66 A	76 A 100 A
ZDU 6	**ZQV 6**	16 mm² 25 mm²	76 A 82 A	76 A 100 A

Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 metres away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

Supply on the left

Supply on the right

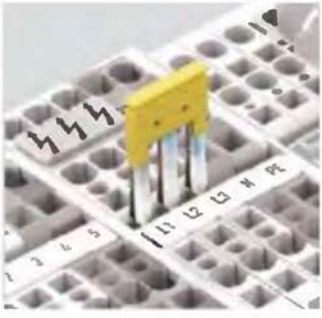
Supply options and corresponding cross-connections

Supply terminals \ Output terminals	ZDU 2.5	ZDU 2.5/3AN	ZDU 2.5/4AN	ZDU 4	ZDU 4/3AN	ZDU 4/4AN		ZTR 2.5	ZTR 2.5/3AN	ZTR 2.5/4AN
on the right										
on the left										
ZDU 4	•	• 2)	•	•	•	•		• 2)	• 2	•
ZDU 4/3AN	• 1)	• 2)	• 1)		•			• 2)	• 2	•
ZDU 4/4AN	• 1)	• 2)	• 1)			•		• 2)	• 2	• 1)
ZDU 6	•	• 2)	•	•	•	•		• 2)	• 2	•
ZDU 6/3AN	• 1)		• 1)							• 1)

Supply terminals \ Output terminals	ZDU 2.5	ZDU 2.5/3AN	ZDU 2.5/4AN	ZDU 4	ZDU 4/3AN	ZDU 4/4AN		ZTR 2.5	ZTR 2.5/3AN	ZTR 2.5/4AN
on the left										
on the right										
ZDU 4	•	• 2)	• 1)	•				• 2)	• 2)	• 1)
ZDU 4/3AN	•	• 2)	• 1)	•	•			• 2)	• 2)	• 1)
ZDU 4/4AN	•	• 2)	• 1)	•	•	•		• 2)	• 2)	• 1)
ZDU 6	•	• 2)	• 1)	•				• 2)	• 2)	• 1)
ZDU 6/3AN	•	• 2)	• 1)	•	•			• 2)	• 2)	•

• 1) with IEPL
• 2) with QVAR

Plug-in cross-connection ZQV



The time-saving, easy-to-use cross-connection comb for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and ZQV 2.5/20 – continuous (20-pole)
- **ZQV 4** as 2- to 10-pole combs and ZQV4/20 – continuous (20-pole)
- **ZQV 6** as 2- to 4-pole combs and ZQV6/32 – continuous (24-pole)
- **ZQV 10, ZQV 16** and **ZQV 35** as 2-pole combs (bridges)
- **ZQV 35-10, ZQV 35-16** and **ZQV 16-10** as reducer cross-connector distributes current from terminals with larger cross-sections to terminals with smaller cross-section.
- **ZQV 2.5N** as 2- to 10-pole combs and ZQV2.5N/20 – continuous (20-pole)

These versions come with complete shock protection.
However, please note that the rated voltage is reduced to 400 V when using cross- connections (e.g. for terminal types ZDU 2.5 to ZDU 35 and ZDU 2.5-2). This does not apply to terminals with a rated voltage below 500V. Here the rated voltage of the used terminal is mandatory (e.g. terminal types ZTR 2.5 and ZTR 2.5/3AN).

Breaking out contact elements
Breaking out one or more (max. 60%) contact elements from cross-connections enables certain terminals to be bypassed to suit the application.

Fitting and changing cross-connection
The fitting and changing of cross-connections is a trouble-free and fast operation:
– Insert the cross-connection into the cross-conn. channel in the terminal...

...and press it fully home.
(The cross-connection may not project from the channel.)

– Remove a cross-connection by simply prising it out with a screwdriver.

Shortening cross-connections
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order No. 900217). However, three contact elements must always be retained.

Caution:
Contact elements must not be deformed!

If a cross-connection is shortened, end plates or partition plates (ZAP/TW) must be used to maintain the rated voltage of 250 V (fitted to the bare cut edges of the cross-connection).

Accessories – Electrical supply

Possible combinations

In one cross-connection channel

In two cross-connection channels

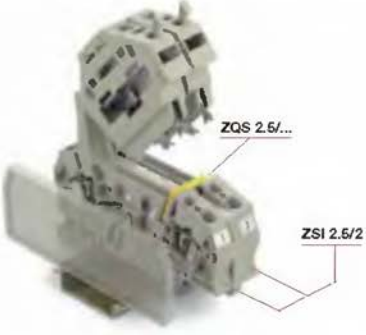
Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type Standard terminals	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
ZDU 2.5	ZQV 2.5/...	•	•	•	•	•	•
ZDU 2.5 / 3 AN	ZQV 2.5/...	•	•	•			
ZDU 2.5 / 4 AN	ZQV 2.5/...	•	•	•			
ZTR 2.5 ...	ZQV 2.5/...	•	•	•			
ZSI 2.5 ...	ZQV 2.5/...	•	•	•			
ZDU 4 ...	ZQV 4/...	•	•	•			
ZDU 6 ...	ZQV 6/...	•	•	•			
ZDU 10, ZDU 16, ZDU 35	ZQV 10/2	•			•		
ZPE 2.5	ZQV 2.5/...			•		•	•
ZPE 4	ZQV 4/...			•			
ZPE 6	ZQV 6/...			•			
ZPE 10, ZPE 16, ZPE 35	ZQV 10	•			•		
Roof-Style terminals							
ZDU 2.5-2	ZQV 2.5/...	•	•	•	•	•	•
ZDU 2.5-2 / 3 AN	ZQV 2.5/...	•	•	•	•	•	•
ZDU 4-2/...	ZQV 4/...	•	•	•	•	•	•
ZDU 6-2/...	ZQV 6/...	•	•	•			
ZPE 2.5-2	ZQV 2.5/...			•		•	
ZPE 2.5-2 / 3 AN	ZQV 42.5/...			•		•	
ZPE 4-2/...	ZQV 4/...			•		•	
ZPE 6-2/...	ZQV 6/...			•			

Alternative cross-connections available

Terminals with different rated cross-section

Fuse terminals with same rated cross-section



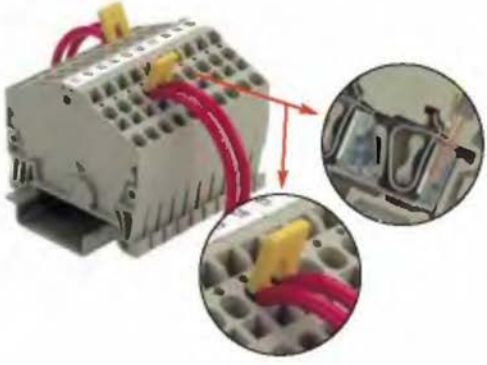
It is necessary to break out the cross-connection panel in the side wall of the fuse terminal.

Terminals without cross-connection channel – ZDU 2.5-2 / 4 AN

To cross connect ZDU 2.5-2/4 AN terminals, which do not have cross-connection channels, use the ZQB 2.5 cross-connection bridge to provide a simple cross-connection solution.

The illustration shows how to fit **ZQB 2.5** correctly.

Always ensure that the conductor is placed between the tension clamp and ZQB 2.5.
The conductor cross-sections is reduced to 1.5 mm² "e" and "f" as a result of using ZWB 2.5.



Tailor-made cross-connections

ZQV 2.5/50 is a cross-connection which can be used for connecting up to 20 individual terminals easily and quickly. The fitter simply cuts off the equired number of poles from the 20-pole cross-connection comb. With this system, cross-connections with the correct number of poles are always available, and only a minimum of storage space is required. The large number of poles in the 20-pole comb means that unused residual quantities are virtually avoided. The ends of the continuous cross-connection are bare.
In the interests of stability, 2-pole cross-connections are not allowed. An end plate must always be fitted to neighbouring ZQVs with bare cut edges. With the ZDU 2.5 and WDU 2.5 it is sufficient to fit the ZQV in the offset position. The rated voltage is 400 V.

ZQV 1.5

Type	Qty	Order No.
ZQV 1.5/2	60	1776120000
ZQV 1.5/3	60	1776130000
ZQV 1.5/4	60	1776140000
ZQV 1.5/5	60	1776150000
ZQV 1.5/10	20	1776200000

For standard terminal	For Roof-Style terminal
ZDU 1.5...	
ZDK 1.5...	
ZEI 6	

ZQV 2.5

Type	Qty	Order No.
ZQV 2.5/2	60	1608360000
ZQV 2.5/3	60	1608370000
ZQV 2.5/4	60	1608380000
ZQV 2.5/5	20	1608390000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	10	1908960000

For standard terminal	For Roof-Style terminal
ZDU 2.5...	ZDU 2.5-2....
ZDK 2.5...	ZDK 2.5-2
ZTR 2.5...	ZTR 2.5-2...
ZDTR 2.5	ZDLD 2.5-2...
ZSI 2.5...	ZDrPE 2.5-2
ZRV 1.5...	ZDU 2.5 S
ZIA 1.5...	ZNT 2.5 S
ZEI 16	ZEI 16-2/1 AN

ZQV 4

Type	Qty	Order No.
ZQV 4/2	60	1608950000
ZQV 4/3	60	1608960000
ZQV 4/4	60	1608970000
ZQV 4/5	20	1608980000
ZQV 4/6	20	1608990000
ZQV 4/7	20	1609000000
ZQV 4/8	20	1609010000
ZQV 4/9	20	1609020000
ZQV 4/10	20	1609030000
ZQV 4/20	20	1909010000

For standard terminal	For Roof-Style terminal
ZDU 4...	ZDU 4-2...
ZDK 4/S...	ZDU 4 S
	ZNT 4 S
ZEI 16	ZEI 16-2/1 AN

ZQV 16-10

Reducing cross-connection

Type	Qty	Order No
ZQV 16-10	10	7920080000

For standard terminal	For Roof-Style terminal
ZDU 10...	ZDU 10 S
ZPE 10...	ZNT 10 S
ZDU 16	ZDU 16 S
ZPE 16	ZPE 16 S
	ZNT 16 S

ZQV 35-10

Reducing cross-connection

Type	Qty	Order No.
ZQV 35-10	10	7920100000

For standard terminal	For Roof-Style terminal
ZDU 10...	ZDU 10 S
ZPE 10...	ZPE 10 S
ZDU 35	
ZPE 35	

ZQV 35-16

Reducing cross-connection

Type	Qty	Order No.
ZQV 35-16	10	7920120000

For standard terminal	For Roof-Style terminal
ZDU 16	ZDU 16 S
ZPE 16	ZPE 16 S
ZDU 35	
ZPE 35	

ZQV 6

Type	Qty	Order No.
ZQV 6/2	60	1627850000
ZQV 6/3	60	1627860000
ZQV 6/4	60	1627870000
ZQV 6/24	20	1908990000

For standard terminal	For Roof-Style terminal
ZDU 6...	ZDU 6-2..
ZDK 6/S...	ZDU 6 S
ZTL 6..	ZNT 6 S
ZEI 16	ZEI 16-2/1 AN

ZQV 10/2

Type	Qty	Order No.
ZQV 10/2	25	1739680000

For standard terminal	For Roof-Style terminal
ZDU 10...	ZDU 10 S
ZDU 10 NT	ZNT 10 S

ZQV 16/2

Type	Qty	Order No.
ZQV 16/2	25	1739690000

For standard terminal	For Roof-Style terminal
ZDU 16	ZDU 16 S
ZPE 16	ZPE 16 S
	ZNT 16 S

ZQV 35/2

Type	Qty	Order No.
ZQV 35/2	10	1739700000

For standard terminal	For Roof-Style terminal
ZDU 35	
ZPE 35	
ZNT 35/S	

ZQV 2.5N

Compact design

Type	Qty	Order No.
ZQV 2.5N/2	60	1693800000
ZQV 2.5N/3	60	1693810000
ZQV 2.5N/4	60	1693820000
ZQV 2.5N/5	20	1693830000
ZQV 2.5N/6	20	1693840000
ZQV 2.5N/7	20	1693850000
ZQV 2.5N/8	20	1693860000
ZQV 2.5N/9	20	1693870000
ZQV 2.5N/10	20	1693880000
ZQV 2.5N/20	10	1909000000

For standard terminal	For Roof-Style terminal
ZT 2.5...	ZDUA 2.5-2...
ZDT 2.5...	ZDUA 2.5-2N...
ZP 2.5...	ZDL 2.5...
ZTTQ 2.5...	ZDL 2.5S
ZTC...	

ZQB 2.5

Cross-connection bridge

Type	Qty	Order No
ZQB 2.5-2	50	1677120000

For standard terminal	For Roof-Style terminal
	ZDUB 2.5-2/4 AN
	ZDU 2.5-2/4 AN

The ZQB 2.5 cross-connection bridge is used for connecting terminals without a separate cross-connection channel. The terminal points are opened using the ZBW 2 operating tool (order no. 1650670000)

ZQS 2.5

Fuse cross-connection

Type	Qty	Order No.
ZQS 2.5/2	20	1633200000
ZQS 2.5/3	20	1633210000
ZQS 2.5/4	20	1633220000
ZQS 2.5/5	20	1633230000

For standard terminal	For Roof-Style terminal
ZSI 2.5/2...	

ZVQ 2.5/1.5

Vertical connector

Type	Qty	Order No.
ZVQ 2.5/1.5	50	1720700000

For standard terminal	For Roof-Style terminal
ZDK 2.5...	ZDLD 2.5-2...
ZDT 2.5/2	

WeiCoS – single slice elements

Single slice elements for self-assembly

The WeiCoS single slice elements from Weidmüller enhance flexibility by providing a solution for almost every application. The plug-in connectors are pipped together to offer a compact modular solution directly in situ to suit the particular application. These single slices are available in green (GN) and beige (BE).

Single slice element ZP plug

Ordering data

Type	Qty	Order No.
ZP 2.5/1AN	50	1875150000
ZP 2.5/1AN GN	50	1875180000
ZP 2.5/1AN ZA O.RA	50	1875210000
ZP 2.5/1AN ZA O.RA GN	50	1875220000
ZP 2.5/1AN ZA	50	1875190000
ZP 2.5/1AN ZA GN	50	1875200000

Single slice element ZPS coupling

Ordering data

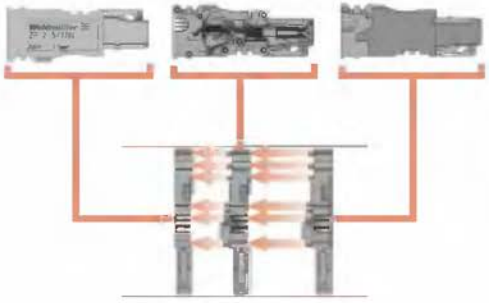
Type	Qty	Order No.
GHDE ZPS 2.5/1AN	50	1866070000
ZPS 2.5/1AN/QV/1GN	50	1861050000
ZPS 2.5/1AN/QV	50	1861040000

Construction of plug:

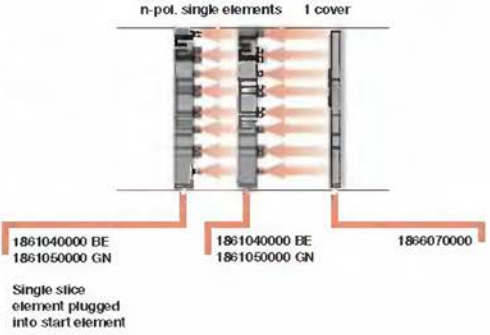
1 start element
1875150000 BE
1875180000 GN

n-2 core element
1875210000 BE
1875220000 GN

1 end element
1875190000 BE
1875200000 GN



Construction of coupling:



Plug accessories

WeiCoS 2.5 mm²

Locking element ZVR ZP 2.5

Type	Qty	Order No.
ZVR ZP 2.5	25	1816130000

Locking element ZVR ZP 2.5 in conjunction with separate coupling

Type	Qty	Order No.
ZVR ZPS 2.5	20	1878620000

Coding element KOSF ZT 2.5

Type	Qty	Order No.
KOSF ZT 2.5	50	1816150000

Protective cover

Type	Qty	Order No.
ZAD ZT / ZPS 2.5	50	1861030000

Strain relief ZZE ZP 2.5

Type	Qty	Order No.
ZZE ZP 2.5 – 1-pole	25	1816140000
ZZE ZP 2.5/4 – 4-pole	25	1866220000
ZZE ZP 2.5/8 – 8-pole	25	1866230000

Test adapter

Type	Qty	Order No.
ZTA ZT 2.5 (without spigot)	25	1827080000
ZTA ZT 2.5 (with spigot)	25	1847600000

1 x 1827080000 and (n-1) x 1847600000
are required for setting up n-pole blocks

WeiCoS 4 mm²

Locking element ZVR ZP 4

Type	Qty	Order No.
ZVR ZP 4	25	1856250000

Coding element KOSF ZT 4

Type	Qty	Order No.
KOSF ZT 4	50	1856360000

Strain relief ZZE ZP 4

Type	Qty	Order No.
ZZE ZP 4	25	1856260000

Fixing set

Type	Qty	Order No.
ZT2/1AN FX-Set	20	1859750000
ZT4/2AN FX-Set	20	1859740000

Contents ZT2/1AN FX-Set:
20 fixing blocks with nuts
20 fixing brackets
20 M3 screws

Contents ZT4/2AN FX-Set:
20 fixing blocks with nuts
40 fixing brackets
40 M3 screws

Mounting set – separate coupling

Modern industry without modularity in the individual applications would be unthinkable

Coupled with high temperature and vibration demands, modularity requires the use of specially tested products. Wherever functional units are pre-assembled or have to be quickly separated, flexible systems are high on the agenda. The WeiCoS separate coupling represents a further extension to the Weidmüller modular concept. The WeiCoS separate coupling is the ideal solution for wiring without "heavyweight" enclosures.

The modular WeiCoS separate coupling concept from Weidmüller represents a compact alternative to the through-panel plug-in connector or signal and lighting distribution terminals. Together with the pluggable modular terminals from the WeiCoS range, they form an ideal combination for creating flexible functional units.

Separate coupling – 3 plugs, 1 line

Separate coupling

Type	Qty	Order No.
ZVLA1 ZPS 2.5	20	1866250000

Side-fitting locking element

Type	Qty	Order No.
ZVR ZPS 2.5	20	1878620000

ZP 2.5/1AN

Type	Qty	Order No.
ZP 2.5/1AN/6	25	1815520000

Strain relief – 4-pole

Type	Qty	Order No.
ZZE ZP 2.5 – 1-pole	25	1816140000
ZZE ZP 2.5/4 – 4-pole	25	1866220000
ZZE ZP 2.5/8 – 8-pole	25	1866230000

Alternative to the side-fitting locking element, the central locking element

Type	Qty	Order No.
ZVR ZP 2.5	20	1816130000

ZPS 2.5/1AN/QV

Type	Qty	Order No.
ZPS 2.5/1AN/QV 6	25	1865940000

Mounting set – coupling

The new options

Although a separate coupling is very useful (enabling a connection to be disconnected at any point), users not always want them to be quite so readily separable.

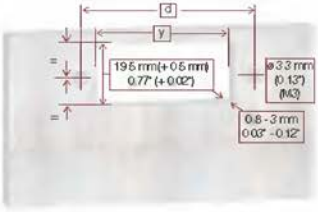
Therefore, we have devised the following fixing variations for separate couplings:

- Screws for fixing to a mounting plate or enclosure wall.
- Clips for fixing to a mounting plate or enclosure wall (in this version every pole can be provided with a clip if required).
- Clips for direct fixing to a terminal rail (TS 15 or TS 35).

And the special highlight is that coupling blocks can be supplied already fitted with the fixings you require. See page D.90 for details of pre-assembled coupling blocks.

Screwed through-wall fixing

Type	Qty	Order No.
ZVLA DF ZPS2 5	20	1878600000



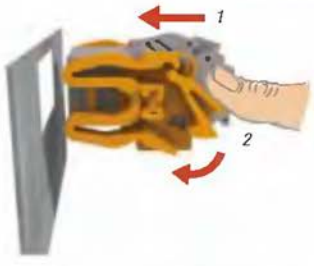
y = n x 5.1 mm + 5.5 mm
d = n x 5.1 mm + 13.5 mm

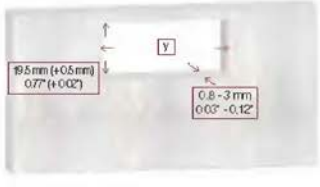
y = n x 0.25" + 0.216"
d = n x 0.25" + 0.53"

n-pole	y		d	
	mm	inch(")	mm	inch(")
2-pole	15.7	0.62	23.7	0.93
3-pole	20.8	0.82	28.8	1.13
4-pole	25.9	1.02	33.9	1.33
5-pole	31.0	1.22	38.9	1.53
6-pole	36.1	1.42	44.1	1.74
7-pole	41.2	1.62	49.2	1.94
8-pole	46.3	1.82	54.3	2.14
9-pole	51.4	2.02	59.4	2.34
10-pole	56.5	2.22	64.5	2.55
11-pole	61.6	2.43	69.6	2.74
12-pole	66.7	2.63	74.7	2.94
13-pole	71.8	2.83	79.8	3.14
14-pole	76.9	3.03	84.9	3.34
15-pole	82.0	3.23	90.0	3.54
16-pole	87.1	3.43	95.1	3.74

Clipped through-wall fixing

Type	Qty	Order No.
ZVLA DF CL ZPS2 5	20	1878610000





y = n x 5.1 mm + 17.5 mm
y = n x 0.25" + 0.69"

n-pole	y	
2-pole	27.7 mm	1.09"
3-pole	32.8 mm	1.29"
4-pole	37.9 mm	1.49"
5-pole	43.0 mm	1.69"
6-pole	48.1 mm	1.89"
7-pole	53.2 mm	2.09"
8-pole	58.3 mm	2.29"
9-pole	63.4 mm	2.49"
10-pole	68.5 mm	2.69"
11-pole	73.6 mm	2.90"
12-pole	78.7 mm	3.10"
13-pole	83.8 mm	3.30"
14-pole	88.9 mm	3.50"
15-pole	94.0 mm	3.70"
16-pole	99.1 mm	3.90"

Direct mounting – screwed

Type	Qty	Order No.
ZVLA SC ZPS 2.5	20	1866240000

Plug support prevents buckling of the connection

Type	Qty	Order No.
BA ZPS 2.5	100	1908560000

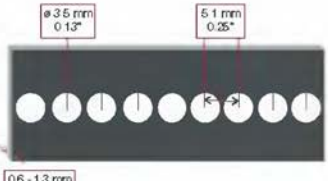
Direct mounting – clipped

Type	Qty	Order No.
ZVLA RC ZPS 2.5	20	1866260000

Type	Qty	Order No.
BA RC ZPS 2.5	100	1908560000

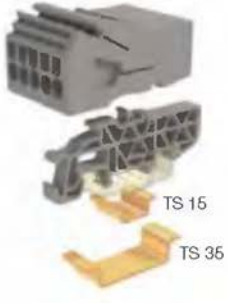
Plug support prevents buckling of the connection

Type	Qty	Order No.
BA ZPS 2.5	100	1908560000



on terminal rail

Type	Qty	Order No.
MOFU 15/35 ZPS 2.5	25	1899170000



WeiCoS

Plug-in connector system with an infinite number of combinations – but always with the same fitting method.

Test adapter

The ZTA slot-in test adapter is used as both a single unit and a test adapter strip for measurements.

Conductors with cross-sectional areas ranging from 0.5 mm² to 1.5 mm² can be clamped. The test adapter is simply slotted into the terminal, creating secure contact with the current carrying busbar. This connection is released again by simply pressing the release button.

		ZTA 1	ZTA 2
		For clamping width 5.1 mm	For clamping width 6.1 mm
Dimensions			
Height (with TS 35 x 7.5)	mm	73.1	73.1
Length	mm	31.5	31.5
Modular width	mm	5.1	6.1
Stripping length	mm	6.0	6.0
Rated voltage / current / cross-section			
to IEC 60 947-7-1		250 V / 9.0 A / 1.5 mm²	250 V / 9 A / 1.5 mm²
Clamping conductor			
Solid H 07V-U	mm²	0.5 ... 1.5	0.5 ... 1.5
Flexible H 07V-K	mm²	1.0 ... 1.5	1.0 ... 1.5
Flexible with AEH (DIN 46228/1)	mm²	0.5 ... 1.5	0.5 ... 1.5
Ordering data		Type / Qty / Order No.	Type / Qty / Order No.
1-pole		ZTA 1 / 25 / 1609040000	ZTA 2 / 25 / 1609060000
with locking spigot		ZTA 1/ ZA / 25 / 1609050000	ZTA 2 / ZA / 25 / 1609070000
		For standard terminal / For Roof-Style terminal	For standard terminal / For Roof-Style terminal
		ZDU 2.5... ZTR 2.5... ZSI 2.5... ZSI 2.5/2	ZDU 4...
Marking tags		DEK 5	DEK 6

		ZTA 5	ZTA 6
		For clamping width 3.5 mm	For clamping width 6.1 mm
Dimensions			
Height (with TS 35 x 7.5)	mm	54.0	73.5
Length	mm	20.0	31.5
Modular width	mm	3.5	6.1
Stripping length	mm	10.0	6.0
Rated voltage / current / cross-section			
to IEC 60 947-7-1		200 V / 13.5 A / 1.0 mm²	250 V / 17.5 A / 1.5 mm²
Clamping conductor			
Solid H 07V-U	mm²	0.5 ... 1.0	0.5 ... 1.5
Flexible H 07V-K	mm²	0.5 ... 1.0	0.75 ... 1.5
Flexible with AEH (DIN 46228/1)	mm²	0.5 ... 1.0	0.5 ... 1.5
Ordering data		Type / Qty / Order No.	Type / Qty / Order No.
1-pole		ZTA 5 / 25 / 1776210000	
with locking spigot		ZTA 5 / ZA / 25 / 1776220000	ZTA 6 / ZA / 25 / 1780960000
		For standard terminal / For Roof-Style terminal	For standard terminal / For Roof-Style terminal
		ZDU 1.5... ZDK 1.5...	ZDU 4-2...
Marking tags		DEK 3.5	DEK 6

ZTA 3

For clamping width 8.1 mm

73.1	
31.5	
8.1	
6.0	
250 V / 9.0 A / 1.5 mm²	
0.5 ... 1.5	
0.75 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
ZTA 3	25	1654050000

For standard terminal	For Roof-Style terminal
ZDU 6 ...	

DEK 5

ZTA 4

For clamping width 5.1 mm

69.0	
31.0	
5.1	
6.0	
250 V / 11 A / 1.5 mm²	
0.5 ... 1.5	
0.75 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
ZTA 4	25	1688110000

For standard terminal	For Roof-Style terminal
ZDK 2.5...	ZDU 2.5-2...
ZTR 2.5/4 AN...	ZDK 2.5-2...
	ZDIKPE 2.5-2
	ZTR 2.5-2..

DEK 5

Test plug

There is a test point facility for the PS 2.3 or PS 2.0 test plug built into most terminals within the Z-Series. For quick measurements, simply insert the PS 2.3 or PS 2.0 test plug into the opening provided.

This is different from the test adapter in that the test plug does not slot into the terminal. In terminals with large cross-sectional areas, measurements are generally carried out using the PS 2.3 or PS 2.0 test plugs because there is no test adapter point.

PS 2.0

Plug diameter 2.0 mm

Type	Qty	Order No.
PS 2.0 OR	20	0293800000

For terminals:
ZDU/ZPE 2.5/...
ZDU/ZPE 4/...
ZDU/ZPE 6/3 AN
ZDU/ZPE 10/...
ZDU/ZPE 16/...
ZDU/ZPE 35
ZEI 16
ZTR 2.5/...
ZTR 2.5... /D
ZDTR 2.5
ZTR 2.5/SI
ZDL 2.5/SI...
ZTTR 2.5/2AN/1

ZTA 7

For clamping width 8.1 mm

73.5	
31.5	
8.1	
6.0	
250 V / 9.0 A / 1.5 mm²	
0.5 ... 1.5	
1.0 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
ZTA 7 / ZA	25	1780670000

For standard terminal	For Roof-Style terminal
	ZDU 6-2 ...

DEK 5

ZTA ZT 2.5

For clamping width 5.1 mm

50.5	
20.0	
5.1	
500 V / 17.5 A / 1.5 mm²	
0.5 ... 1.5	
0.5 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
ZTA ZT 2.5	25	1827080000
ZTA ZT 2.5 / ZA	25	1847600000

For standard terminal	For Roof-Style terminal
ZT 2.5...	
ZDT 2.5...	
ZP 2.5 ...	

DEK 5

PS 2.3

Plug diameter 2.3 mm

Type	Qty	Order No.
PS 2.3 OR	20	0187400000

For terminals:
ZDU/ZPE 2.5/...
ZDU/ZPE 4/...
ZDU/ZPE 10/...
ZDU/ZPE 18/...
ZDU/ZPE 35
ZDU/ZPE 4-2
ZDU/ZPE 6-2
ZTR 2.5...
ZTR 2.5... /D
ZDTR 2.5
ZTR 2.5/SI
ZDL 2.5/SI...
ZTTR 2.5/2AN/1

Marking / covering

The VDE regulations stipulate that mains connection terminals have to be covered.

For this purpose Weidmüller offers yellow **ZAD** covers printed with a warning symbol.

The covers slot into the screwdriver opening of the terminal, and are available in 4-pole terminal units.

The tag carrier **BTZ** enables the central marking channel to be labelled using WS 10/5 tags.

Marking supports with pivots can be used to ensure the greatest possible stability.

- Simple and double design
- No impairment when inserting screwdriver, and unimpaired access to the cross-connections

Operating tool

The fully insulated operating tools ZBW 1 to ZBW 6 and ZBWW are used to open both 1.5 mm² and 2.5 mm² terminal points. They can open more than one terminal point at once.

The ZBWW operating tool has angled blades, making it easier to actuate terminals within confined spaces.

The plastic operating tool enhances safety when working on "live" systems actually in use. This is however not a recommended practise.

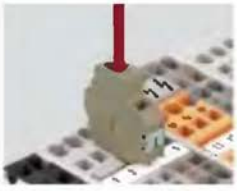
ZAD / BZT

Type	Qty	Order No.	For standard terminal	For Roof-Style terminal
Terminal width 3.5 mm				
ZAD 7/4	20	1781940000	ZDU 1.5... ZDK 1.5...	
Terminal width 5.1 mm				
ZAD 1/4	20	1609110000	ZDU 2.5... ZTR 2.5...	ZDU 4-2...
Terminal width 5.1 mm				
ZAD 1/4-2	20	1764560000	ZTR 2.5/4 AN...	ZDU 2.5-2... ZDK 2.5-2... ZDKPE 2.5-2 ZTR 2.5-2...
Terminal width 6.1 mm / 8.1 mm				
ZAD 2/4	20	1609080000	ZDU 4...	ZDU 6-2...
Terminal width 8.1 mm				
ZAD 3/4	20	1609120000	ZDU 6...	
Terminal width 10 mm				
ZAD 4/5	20	1746730000	ZDU 10 ZDU 10/3 AN	
Terminal width 12 mm				
ZAD 5/5	20	1745210000	ZDU 16 ZDU 16/3 AN ZEI 16	ZEI 16-2/1 AN
Terminal width 16 mm				
ZAD 6/5	20	1752620000	ZDU 35	
BZT...				
Marked on one side				
BZT 1 WS 10/5	100	1805490000	ZDU 2.5/...	
BZT 1 ZA WS 10/5	100	1805520000	ZDU 4/...	
Marked on two sides			ZDU 6/...	
BZT 2 WS 10/5	100	1805430000	ZDU A 2.5/...	
BZT 2 ZA WS 10/5	100	1805530000		

ZBW

Type	Terminal points	Qty	Order No.	For Standard terminal	For Roof-Style terminal
Terminal width 3.5 mm					
ZBW 1/5	1	1	1781930000	ZDU 1.5... ZPE 1.5 ZDK 1.5	
Terminal width 5.1 mm					
ZBW 1	1	1	1609620000	ZDU 2.5...	ZDUD 2.5-2
ZBW 2	2	1	1650670000	ZPE 2.5	ZDU 2.5-2
ZBW 3	3	1	1650680000	ZDK 2.5	ZDK 2.5-2
ZBW 4	4	1	1650690000	ZTR 2.5	ZDK 2.5-2 PE
ZBW 6	6	1	1650700000	ZDTR 2.5	ZTR 2.5-2
ZBWW	1	1	1609630000	ZSI 2.5	ZDKPE 2.5-2
				ZRV 1.5	ZDU 2.5 S
				ZIA 1.5	ZPE 2.5 S
					ZNT 2.5 S

Other functions



Reducing sleeves

Reducing sleeves are used to make it easier to connect conductors with smaller cross-sectional areas. The conductors can be inserted securely into the terminal without separating conductor strands. The reducing sleeve centres the conductor in the middle of the conductor entry.

One pack contains 100 x 10-pole strips

ZRH 1.5S

Type	Qty	Order No.
For 0.13 ... 0.2 mm² conductors, white		
ZRH 1.5S/1	100	1781950000
For 0.25 ... 0.5 mm² conductors, grey		
ZRH 1.5S/2	100	1781960000

For standard terminal	For Roof-Style terminal
ZDU 1.5/...	
ZPE 1.5/...	
ZKD 1.5/...	
ZKD 1.5 PE	

ZRH 1.5H

Type	Qty	Order No.
For 0.13 ... 0.2 mm² conductors, white		
ZRH 1.5H/1	100	1678310000
For 0.25 ... 0.5 mm² conductors, grey		
ZRH 1.5H/2	100	1678300000

For standard terminal	For Roof-Style terminal
ZDK 2.5...	ZDLD 2.5-2...
ZDK 2.5 PE	ZDU 2.5-2/...
ZDTR 2.5	ZPE 2.5-2/...
	ZTR 2.5-2
	ZTR 2.5-2/SI
	ZTR 2.5-2 D

ZRH 1.5N

Type	Qty	Order No.
For 0.13 ... 0.2 mm² conductors, white		
ZRH 1.5N/1	100	1632140000
For 0.25 ... 0.5 mm² conductors, grey		
ZRH 1.5N/2	100	1632130000
For 0.75 ... 1.0 mm² conductors, dark grey		
ZRH 1.5N/3	100	1632120000

For standard terminal	For Roof-Style terminal
ZRV 1.5	
ZRV 1.5 PE	
ZVL 1.5	
ZIA 1.5/3 L...	
ZIA 1.5/4 L...	

ZRH 2.5

Type	Qty	Order No.
For 0.13 ... 0.2 mm² conductors, white		
ZRH 2.5/1 WS	100	1614300000
For 0.25 ... 0.5 mm² conductors, grey		
ZRH 2.5/2 GR/WO	100	1614290000
For 0.75 ... 1.0 mm² conductors, dark grey		
ZRH 2.5/3	100	1614280000

For standard terminal	For Roof-Style terminal
ZDU 2.5/...	
ZTR 2.5/...	
ZTR 2.5/D	
ZTR 2.5/3 AN/D	

ZRH 4

Type	Qty	Order No.
For 0.13 ... 0.2 mm² conductors, white		
ZRH 4/1 WS	100	1636640000
For 0.25 ... 0.5 mm² conductors, grey		
ZRH 4/2	100	1636650000
For 0.75 ... 1.0 mm² conductors, dark grey		
ZRH 4/3	100	1636660000

For standard terminal	For Roof-Style terminal
ZDU 4/...	
ZPE 4/...	

Accessories – other functions and colours

Extra connection

Place the contact part in the cross-connection channel and the locking hook in the screwdriver guide, then press down as far as it will go. The pitch size is 6 mm, so only every second terminal can be used.

Component plug

The component plug is designed to take electronic components.

As required, the self-locking ZBS 1 can be plugged onto two tension clamp terminals (ZDK 2.5) in the upper or lower cross-connection channel.

In the lower level, the plug is positioned with twisting protection, whereas in the upper level it can be plugged in any direction.

Customers may solder their components to the plug as required.

Two basic versions are available (empty housings):

1. ZBS 1 closed e.g. to accommodate a temperature compensation module
2. ZBS 1 with 2 openings ø 3 mm e.g. to take LEDs.

Bus support

The ZST bus support can be used for "parking" test plugs, cross-connections and fuses needed during servicing. The bus support is snapped onto the TS 35 mounting rail at the end of a terminal assemble.

Shield connection terminal

The screen braid of screened control conductors is soldered to the busbar of the ZDUS or connected using 2.8 x 0.8 mm crimped spade sleeves. ZDUS can be slotted onto the ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and ZTR 2.5.

ZZA 2.5

Dimensions	
Height	23.0 (50.0) mm
Length	21.0 mm
Width	6.1 mm
Stripping length	10.0 mm
Rating data	
Rated voltage	400 V
Rated impulse withstand voltage	6 kV
Pollution severity	3
Rated current	17.5 A
Rated cross-section	2.5 mm²

Type	Qty	Order No.
ZZA 2.5	50	1646690000
With locking pivot		
ZZA 2.5 ZA	50	1649350000

For terminal

ZDU 2.5
ZDU 2.5/3 AN
ZDU 2.5/4 AN
ZTR 2.5
ZTR 2.5/3 AN

ZBS 1

Dimensions		
Height		48.0 mm
Length		22.3 mm
Width		10.0 mm
Rating data		
Rated voltage		250 V
	with LED	30 V
Rated impulse withstand voltage		4 kV
Pollution severity		3
Rated current		6 A
	with LED	1 A

Type	Qty	Order No.
ZBS1 SET	10	1764540000
to take 2 LEDs		
ZBS1 FD SET	10	1764560000

ZST

Dimensions	
Height	27.5 mm
Length	61.1 mm
Width	10.0 mm

Type	Qty	Order No.
ZST	50	1678630000

ZDUS

Dimensions	
Height	33.5 mm
Length	83.5 mm
Width	4.8mm

Type	Qty	Order No.
ZDUS	20	1676640000

SIHA fuse holder

For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time.

Simply remove the isolating lever and insert the fuse plug.

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23°C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

1. Open fuse holder with fingers or screwdriver

2. Press out old fuse

3. Position new fuse

4. Press fuse holder together again

SIHA 3

	Qty	Order No.
without LED		
SIHA3/G20		
400 V	1	7921560000
with LED (red)		
SIHA3/G20		
10 - 36 V	1	7921570000
35 - 70 V	1	7921580000
60 - 150 V	1	7921590000
140 - 250 V	1	7921600000

For disconnect terminal type

ZDL 2.5/NT/L/PE
ZTR 2.5/4 AN
ZTR 2.5 ...
ZTR 2.5-2

SIHA STRAP

	Qty	Order No.
with strap		
SIHA STRAP		
	20	9537680000

Connector for "retro-fit" assembly

- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either on the left or on the right

Accessories – other functions and colours

Cartridge fuses and gauge pieces for Weidmüller fuse terminals

Cartridge fuses

Technical data / Ordering data

For terminal type	Size (mm)	Nom. voltage (V)	Nom. current (A)	Type		Qty	Order No.
	G-type cartridge fuses 5 x 20 **without** indicators to IEC 60127-2 (VDE 0820 pt.2 Bl ¹)						
ZSI 2.5 ZSI 6-2 2 x 2.5/G20... ZSI 2.5 2 x 2 AN/G20...	5 x 20 breaking capacity 1500 A (at 250 V, 50 Hz, cos φ = 0.7)	250	0.1	(F)	G 20/0.10A/F	10	0430300000
			0.2	(F)	G 20/0.20A/F	10	0430400000
			0.25	(F)	G 20/0.25A/F	10	0430500000
			0.5	(F)	G 20/0.50A/F	10	0430600000
			0.63	(F)	G 20/0.63A/F	10	0439000000
			1.0	(F)	G 20/1.00A/F	10	0430700000
			1.6	(F)	G 20/1.60A/F	10	0430800000
			2.0	(F)	G 20/2.00A/F	10	0430900000
			2.5	(F)	G 20/2.50A/F	10	0431000000
			3.15	(F)	G 20/3.15A/F	10	0431100000
			4.0	(F)	G 20/4.00A/F	10	0431200000
			5.0	(F)	G 20/5.00A/F	10	0431300000
			6.3	(F)	G 20/6.30A/F	10	0431400000
			(M) = medium-blow (F) = fast-blow				
	G-type cartridge fuses 5 x 25 **with** indicators to DIN 41576¹)						
ZSI 2.5/ 5 x 25 ZSI 6-2 2 x 2.5/G25... ZSI 2.5 2 x 2 AN/G25...	5 x 25 w. ind.¹) breaking capacity 80 A (at 250 V, 50 Hz, cos φ = 1	250	0.25	(M)	G 25/0.25A/M	10	0546900000
			0.5	(M)	G 25/0.50A/M	10	0510300000
			0.8	(M)	G 25/0.80A/M	10	0646400000
			1	(M)	G 25/1.00A/M	10	0265800000
			10	(M)¹)	G 25/10.0A/M	10	0193100000
			2	(F)	G 25/2.00A/F	10	0192700000
			4	(F)	G 25/4.00A/F	10	0192800000
			6.3	(F)	G 25/6.30A/F	10	0192900000
			(M) = medium-blow (F) = fast-blow				
	Cartridge fuses 1¼" x ¼" **without** indicators to BS 88						
ZSI 2.5/2	33 kA break. cap., 33 kA fast-blow E 0.5 A E 1 A E 2 A E 3 A E 5 A E 7 A E 10 A	440	0.5		GZ 0.5A/F	10	0533800000
			1		GZ 1.0A/F	10	0525500000
			2		GZ 2.0A	10	0294500000
			3		GZ 3.0A	10	0295700000
			5		GZ 5.0A	10	0294600000
			7		GZ 7.0A	10	0295800000
			10		GZ 10.0A	10	0293900000
			12.5		GZ 12.5A FF	10	0245400000
			(F) = fast-blow (M) = medium-blow				

Note: ¹) The SIBA company also supplies G-type cartridge fuses 5 x 25 with indicators suitable for 450 V shipbuilding applications.

Cartridge fuses and gauge pieces for Weidmüller fuse terminals

Cartridge fuses

for terminal type

ZS/6-2/ FC ..

Technical data / Ordering data

Blade fuses to DIN 72581-3C Nom. voltage (V)	Average voltage drop (mV)	Nom. current (A)	Type	Qty	Order No.
	300	0,5*	C 0,5 A/32 V BL	100	1814720000
	130	1	C 1 A/32 V SW	100	1814730000
	120	2	C 2 A/32 V GR	100	1814740000
	100	3	C 3 A/32 V VI	100	1814750000
250	100	4	C 4 A/32 V RS	100	1814760000
	120	5	C 5 A/32 V HBR	100	1814770000
	112	7,5	C 7,5 A/32 V BR	100	1814780000
	85	10	C 10 A/32 V RT	100	1814790000
	85	15	C 15 A/32 V HBL	100	1814800000
	80	20	C 23 A/32 V GE	100	1814810000
	82	25	C 25 A/32 V NA/WS	100	1814820000
	77	30	C 30 A/32 V HGN	100	1814830000
	84	35*	C 35 A/32 V GN	100	1814840000
	80	40*	C 40 A/32 V OR	100	1814850000

Notes:
- According to DIN 72581-3C a blade fuse may only be operated with 80% I_N as a continuous load
- Use fuses from Weidmüller with a low power loss/voltage drop!
- Please note the derating
- Do not insert or remove a fuse when the circuit is under load.
- Max. temperature of contacts: 130°C
- Insulating material/Flammability class: Wemid/V0

*Fuses do not comply with DIN 72581-3C
The whole system must always be considered for 35/40 A fuses.
1) Do not exceed the voltage range of the fuse.
2) Continuous current through fuse: max. 80% I_N
3) Use the largest possible conductor cross-section in order to dissipate the very high thermal losses of the fuse.

Component isolating plugs

The Weidmüller philosophy is to realise a multitude of applications with just a few parts. The component and isolating plugs (BEST and TNST) represent a logical extension of this cost-effective and efficient approach. The component plug can accommodate electronic components and connect them to the terminal. And once an isolating plug is removed, the clamping point is obviously disconnected. The opening is easy to recognise.

An unintentional reconnection of the circuit is prevented by simply removing the isolating plug. The BEST and the TNST have the same pin arrangement. Both plugs are also identical with the SIHA 3 fuse holder, meaning that they can be used in all the "disconnecting products" of the W-, Z-, I- and P-Series.

Component plug (up to 250 V)

can be reversed

Ordering data

Type	Fitted with...	Qty	Order No
BEST	-	25	1833100000
BEST/DRBR	wire jumper	25	1878570000
BEST/D	diode 1N4007	25	1878590000
for terminal type			
ZTR 2.5 ..			
ZTR 2.5-2			
ZDL 2.5/TR			
ZDL 2.5/SI			

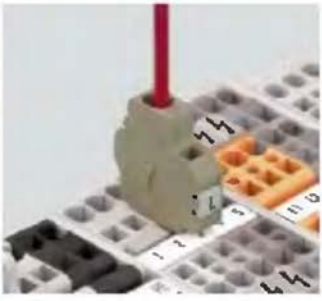
Isolating plug

Ordering data

Type	Colour	Qty	Order No.
TNST	yellow Wemid	25	1833090000
for terminal type			
ZTR 2.5 ..			
ZTR 2.5-2			
ZDL 2.5/TR			
ZDL 2.5/SI			

Accessories – other functions and colours

Colour range



The colours listed below are available as standard. Other variants are available upon request and are subject to minimum order quantities.

	Colour	Qty	1.5 mm² Order No.
ZDU 1.5			
ZDU 1.5 OR	orange	100	1775500000
ZDU 1.5/3AN			
ZDU 1.5/3AN OR	orange	100	1775550000
ZDU 1.5/4AN			
ZDU 1.5/4AN OR	orange	100	1775610000
ZDK 1.5			
ZDK 1.5 OR	orange	100	1831190000

	Colour	Qty	2.5 mm² Order No.
ZDU 2.5			
ZDU 2.5 BR	brown	100	1683300000
ZDU 2.5 GE	yellow	100	1683270000
ZDU 2.5 GE/GN	yellow/green	100	1698780000
ZDU 2.5 GN	green	100	1683280000
ZDU 2.5 GR	grey	100	1683310000
ZDU 2.5 OR	orange	100	1696780000
ZDU 2.5 RT	red	100	1683260000
ZDU 2.5 SW	black	100	1683330000
ZDU 2.5 VI	violet	100	1683290000
ZDU 2.5 WS	white	100	1683320000
ZDU 2.5/3AN			
ZDU 2.5/3AN GE	yellow	100	1683350000
ZDU 2.5/3AN GE/GN	yellow/green	100	1698790000
ZDU 2.5/3AN GN	green	100	1683360000
ZDU 2.5/3AN GR	grey	100	1683390000
ZDU 2.5/3AN OR	orange	100	1696790000
ZDU 2.5/3AN RT	red	100	1683340000
ZDU 2.5/3AN SW	black	100	1683410000
ZDU 2.5/3AN WS	white	100	1683400000
ZDU 2.5/4AN			
ZDU 2.5/4AN BR	brown	100	1683460000
ZDU 2.5/4AN GE	yellow	100	1683430000
ZDU 2.5/4AN GE/GN	yellow/green	100	1692240000
ZDU 2.5/4AN GN	green	100	1683440000
ZDU 2.5/4AN GR	grey	100	1683470000
ZDU 2.5/4AN OR	orange	100	1696800000
ZDU 2.5/4AN RT	red	100	1683420000
ZDU 2.5/4AN SW	black	100	1683490000
ZDU 2.5/4AN WS	white	100	1683480000
ZDU 2.5/2X2AN			
ZDU 2.5/2X2AN			1608900000
ZDU 2.5-2			
ZDU 2.5-2 OR	orange	100	1772080000
ZDU 2.5-2/3AN			
ZDU 2.5-2/3AN CR	orange	100	1706050000
ZDU 2.5-2/4AN			
ZDU 2.5-2/4AN CR	orange	100	1706080000
ZTR 2.5			
ZTR 2.5 OR	orange	100	8731680000
ZTR 2.5/3AN			
ZTR 2.5/3AN OR	orange	50	8731690000
ZTR 2.5/4AN			
ZTR 2.5/4AN OR	orange	100	7920940000
ZTR 2.5-2			
ZTR 2.5-2 OR	orange	100	1779130000
ZDK 2.5			
ZDK 2.5 OR	orange	50	1694140000
ZDK 2.5-2			
ZDK 2.5-2 OR	orange	50	1831260000

Mini terminals

4 mm²

	Colour	Qty	Order No.
ZDU 4			
ZDU 4 BR	brown	100	1683620000
ZDU 4 GE	yellow	100	1683590000
ZDU 4 GE/GN	yellow/green	100	1698770000
ZDU 4 GN	green	100	1683600000
ZDU 4 GR	grey	100	1683630000
ZDU 4 OR	orange	100	1636830000
ZDU 4 RT	red	100	1683580000
ZDU 4 SW	black	100	1683650000
ZDU 4 VI	violet	100	1683610000
ZDU 4 WS	white	100	1683640000
ZDU 4-2/2AN			
ZDU 4-2/2AN OR	orange	100	1770850000
ZDU 4-2/3AN			
ZDU 4-2/3AN OR	orange	100	1770870000
ZDU 4-2/4AN			
ZDU 4-2/4AN OR	orange	100	1807000000

16 mm²

	Colour	Qty	Order No.
ZDU 16			
ZDU 16 OR	orange	25	1830680000

2.5 mm²

	Colour	Qty	Order No.
ZDUA 2.5-2			
ZDUA 2.5-2 OR	orange	100	1720940000
ZDUB 2.5-2/2AN			
ZDUB 2.5-2/2AN/DB OR	orange	100	1704520000
ZDUB 2.5-2/2AN/DM OR	orange	100	1704370000
ZDUB 2.5-2/4AN			
ZDUB 2.5-2/4AN/DM OR	orange	100	1704560000

6 mm²

	Colour	Qty	Order No.
ZDU 6			
ZDU 6 GE	yellow	50	1830450000
ZDU 6 GE/GN	yellow/green	50	1698800000
ZDU 6 GN	green	50	1830440000
ZDU 6 OR	orange	50	1636820000
ZDU 6 RT	red	50	1830420000
ZDU 6 SW	black	50	1830430000
ZDU 6 WS	white	50	1830460000
ZDU 6-2/2AN			
ZDU 6-2/2AN OR	orange	50	1771400000
ZDU 6-2/3AN			
ZDU 6-2/3AN OR	orange	50	1771430000

35 mm²

	Colour	Qty	Order No.
ZDU 35			
ZDU 35 OR	orange	10	1830760000

10 mm²

	Colour	Qty	Order No.
ZDU 10			
ZDU 10 OR	orange	25	1830610000

Terminals, W-Series

Terminals, W-Series	Overview W-Series	E.2
	Feed-through terminals	E.4
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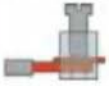
Accessories	Accessories W-Series	E.96
Terminals, SAK-Series	Overview SAK-Series	E.126

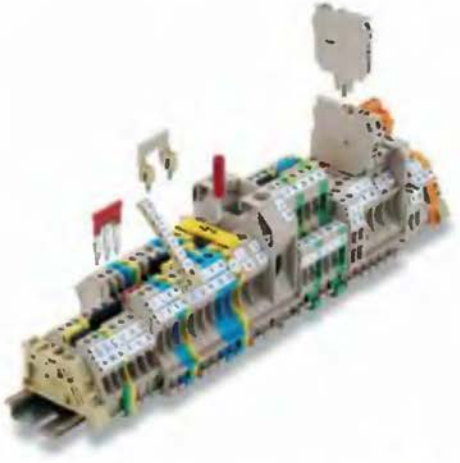
W-Series / Screw connection with clamping yoke



For a long time now, Weidmüller's W-Series terminal with screw clamp connection technology, has set the standard. With many advantages, the W-Series remains market leader and unsurpassed.

The W-Series offers solutions for conductor cross-sections from 0.06 to 300 mm² and for all common electrical functions. Another advantage is the choice of plug-in (ZQV) or screw-in (WQV) cross-connections within one modular terminal. It brings considerable time savings compared to all other screw terminals on the market.

Thanks to the patented design of Weidmüller's W-Series screw connection technology it is possible for two conductors of the same cross-section to be connected in one and the same clamping point without difficulty.



Design

W-standard

- Same contour design from 2.5 to 10 mm²
- Conductor sizes from 0.05 to 300 mm²
- Large clamping range

W-compact

- Smaller size
- Identified by an "N" in the type designation
- Conductor sizes from 0.13 to 150 mm²

Product overview

Rated cross-section	1.5 mm²		2.5 mm²		4 mm²		6 mm²		10 mm²		16 mm²		35 mm²	
	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact
Feed-through terminals														
2 connectors	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connectors	•	•	•	•	•	•			•					
PE terminals														
2 connectors	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connectors	•		•	•	•	•			•					
Fuse terminals			•		•		•		•		•			
Disconnect terminals	•		•		•									
3 and 4 connectors			•		•									
Disconnect test terminals					•		•							
3-conductor installation terminals	•		•		•									
N-conductor disconnect terminals	•		•		•		•		•			•		•
Pluggable terminals	•		•		•									
Initiator/actuator terminals	•		•		•									
Terminals with electronic components	•		•		•	•								
Miniature terminals TS 15	•													

Rated cross-section	50 mm²		70 mm²		95 mm²		120 mm²		150 mm²		240 mm²		
	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	
Feed-through terminals		•	•	•	•	•	•	•	•		•		
PE terminals		•	•	•	•	•	•	•	•				
N-conductor disconnect terminals				•									

1 The connection

Separation of electrical and mechanical function thus providing galvanic isolation.

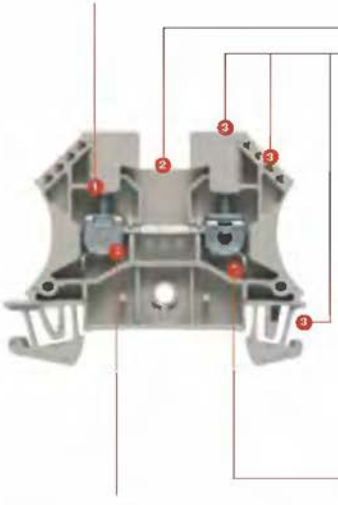
- Hardened steel screw clamp technology.
- Busbar of copper for low through resistance.
  Tin-plated surface for minimum contact resistances

2 Cross-connections, also pluggable

- Screw-in or plug-in cross-connections as required
- For screw terminals, the pluggable cross-connection (ZQV) is unique, with considerable time savings
- Cross-connections with up to 10 poles available as standard for 2.5 and 4
- 20-pole cross-connections (ZQV) available for custom fabrication

3 Easy to use

- Can be clipped to or removed from the terminal rail in either direction
- Features captive screw.
- Recessed clamping screw position provides guide for screwdriver
- All parts fitted captive within the terminal
- Numerous labelling options



Wemid insulating material

- Non-tracking, CTI 600
- Thermally stable up to 120 °C
- V0 flammability class to UL 94
- Halogen, cadmium and phosphor free

Common profiles

- Identical size from 2.5 to 10 mm²
- Minimum number of different accessories = lower costs and better logistics
- Easy planning

4 Reliable contact

- W-Series offers galvanic isolation by providing a steel screw clamp technology for mechanical function, with copper busbar for low through resistance and electrical function.
- No maintenance: no need to retighten the clamping screw
- Vibration-proof connection: many W-terminals certified for railway use to EN 61373
- Highest contact force of all connection systems

5 Safe to use

- Shock protection with connected conductors, even when cross-connected.
- Terminals supplied with open clamping point. In addition, the misplugging safeguard prevents conductors from being inserted incorrectly
- Embossing on clamping yoke and current bar engage so that even the smallest conductors are reliably clamped; large conductors and also 2 conductors are gripped in the middle

Standards and directives

The reliable contact and dependability of the Weidmüller systems are verified by:

- Type tests to IEC 60947-7-1/-2/-3
- National and international approvals
- A large portfolio of UL and CSA approvals
- W-Series certified for railway applications (see chapter on stud terminals)
- ATEX approval (see certificate on Weidmüller website)
- All materials checked for conformity with the latest environmental directives and RoHS requirements

Feed-through terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WDU 1.5/ZZ — 1.5 mm²

Twin connection

WDU 2.5/1.5/ZR — 2.5 mm²

Supplementary connection, right

width x length x height with TS 35 x 7.5	mm	5.1 x 60 x 47	5.1 x 60 x 47
max. current / max. conductor	A/mm²	23 / 2.5	32 / 4
max. clamping range	mm²	0.13 ... 2.5	0.05 ... 4

Technical data

IEC 60947-7-1				Ex e II	Ex II 2 G D	
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**		
Rated voltage	800	300	300	550		
Rated current	17.5	10	10	15		
Rated cross-section	1.5	AWG 26... 12	AWG 26... 12	1.5		
Rated impulse withstand voltage / Pollution severity	8 / 3					
Gauge to IEC 60947-1 / UL94 Flammability class	A1 / V-0					
Approvals	KEMA 98ATEX1685 U					
Clamped conductors (H05V/H07V)	**Rated connection**		**further connection**			
solid / stranded	mm²	0.5... 2.5... 2.5				
Flexible / Flexible with wire-end ferrule	mm²	0.5... 1.5 / 0.5... 1.5				
Tightening torque range (clamping screw)	Nm	0.4... 0.6 (M 2.5)				
Stripping length / Blade size	mm / -	7 / 0.6 x 3.5				
2 clamped cables with same cross-section (H05V/H07V)						
Solid / stranded	mm²	0.5... 1				
Flexible / Flexible with wire-end ferrule	mm²	0.5... 1 / 0.5... 0.75				
Note		Note the max. current of the terminal (23 A) when using the WQV cross-connector!				

IEC 60947-7-1				Ex e II	Ex II 2 G D	
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**		
Rated voltage	800	300	300	550		
Rated current	24	20	20	21		
Rated cross-section	2.5	AWG 30... 12	AWG 26... 12	2.5		
Rated impulse withstand voltage / Pollution severity	8 / 3					
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / A1 / V-0					
Approvals	KEMA 98ATEX1685 U					
Clamped conductors (H05V/H07V)	**Rated connection**		**further connection**			
solid / stranded	mm²	0.5... 4 / 1.5... 4		0.5... 2.5 / 1.5... 2.5		
Flexible / Flexible with wire-end ferrule	mm²	0.5... 4 / 0.5... 2.5		0.5... 1.5 / 0.5... 1.5		
Tightening torque range (clamping screw)	Nm	0.4... 0.6 (M 2.5)		0.4... 0.6 (M 2.5)		
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5		7 / 0.6 x 3.5		
2 clamped cables with same cross-section (H05V/H07V)						
Solid / stranded	mm²	0.5... 1		0.5... 1		
Flexible / Flexible with wire-end ferrule	mm²	0.5... 1.5 / 0.5... 1.5		0.5... 1 / 0.5... 0.75		
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1933100000, 500 pcs)				

Ordering data

Version	**Type**	**Qty.**	**Order No.**
dark beige Wemid	WDU 1.5/ZZ	100	1031400000
blue Wemid	WDU 1.5/ZZ BL	100	1031480000
Note			

Type	**Qty.**	**Order No.**
WDU 2.5/1.5/ZR	100	1024700000
WDU 2.5/1.5/ZR BL	100	1024780000

Rated voltage 400 V when using the cross-connection ZQV, further connection (right 1.5 mm²).

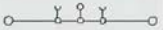
Accessories

Cross-connection, pluggable	**Type**	**Current [A]**	**Qty.**	**Order No.**
2-pole	ZQV 2.5N/2 GE	24	60	1693800000
3-pole	ZQV 2.5N/3 GE	24	60	1693810000
4-pole	ZQV 2.5N/4 GE	24	60	1693820000
10-pole	ZQV 2.5N/10 GE	24	20	1693830000
20-/24-pole	ZQV 2.5N/20 GE	24	20	1909000000
Cross-connection (screwed)		**Current [A]**		
2-pole	WQV 2.5/2	32	50	1053660000
3-pole	WQV 2.5/3	32	50	1053760000
4-pole	WQV 2.5/4	32	50	1053860000
10-pole	WQV 2.5/10	32	20	1054460000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal Standard	WTA 2 WDU2.5-10		25	1632320000
strips with spigot	WTA 2/ZA WDU2.5-10		25	1632380000
Cover				
with lightning flash symbol	WAD 4 GE BED		50	1072000000
blank	WAD 4 WS		50	1072100000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"	Socket end test plug, see section W-series accessories			

Type	**Current [A]**	**Qty.**	**Order No.**
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WTA 2/ZA WDU2.5-10		25	1632380000
WAD 5 M BL		50	1053460000
WAD 5 NEUTRAL		50	1056080000
WS 12/5			
2.5 / 1 mm² conductor when using the WQB			

WDU 2.5 — 2.5 mm²

5.1 x 60 x 47
32 / 4
0.05 ... 4



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	20	21
2.5	AWG 30... 12	AWG 26... 12	2.5
8 / 3			
A3 / V-0			

KEMA 98ATEX1683 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDU 2.5	100	1020000000
WDU 2.5 BL	100	1020080000

Rated voltage 400V when using cross-connection ZQV
See section W-series accessories for colours available

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 2 WDU 2.5-10		25	1632320000
WTA 2/ZA WDU 2.5-10		25	1632330000
WAD 5 M BL		50	1058460000
WAD 5 NEUTRAL		50	1056060000
WS 12/5			

Socket end test plug, see section W-series accessories Note, max 2.5 mm² when using WQB

WDU 2.5N — 2.5 mm²

with screw cross-connection
Compact design

5.1 x 44 x 37.5
32 / 4
0.05 ... 4

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
24	10	20	21
2.5	AWG 30... 12	AWG 26... 12	2.5
6 / 3			
A3 / V-0			

KEMA 98ATEX1683 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDU 2.5N	100	1023700000
WDU 2.5N BL	100	1023780000

For colours available see section W-series accessories Specific functions

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDU 2.5N/4N	1.5	50	1050000000
WAP WDU 2.5N/4N BL	1.5	50	1050080000
	width [mm]		
EW 35	8.5	50	0383560000
WTA 1 WDU 1.5		25	1632290000
WTA 1/ZA WDU 1.5		25	1632300000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 12/5			

Socket end test plug, see section W-series accessories

WDU 2.5N/ZQV — 2.5 mm²

with plug-in cross-connection
Compact design

5.1 x 44 x 37.5
32 / 4
0.05 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 30... 12	AWG 26... 12	
6 / 3			
A3 / V-0			

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDU 2.5N ZQV	100	1040800000
WDU 2.5N ZQV BL	100	1040880000

Rated voltage 400 V when using the cross-connection ZQV

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	Current [A]		
	width [mm]		
WAP WDU 2.5N/4N	1.5	50	1050000000
WAP WDU 2.5N/4N BL	1.5	50	1050080000
	width [mm]		
EW 35	8.5	50	0383560000
WTA 1 WDU 1.5		25	1632290000
WTA 1/ZA WDU 1.5		25	1632300000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 12/5			

Feed-through terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WDU 2.5N/600 UL — 2.5 mm²

600V UL/CSA
Compact design

WDU 4 — 4 mm²

width x length x height with TS 35 x 7.5	mm	**5.1** x 44 x 43.5	**6.1** x 60 x 47
max. current / max. conductor	A/mm²	**32 / 4**	**41 / 6**
max. clamping range	mm²	**0.05 ... 4**	**0.13 ... 6**

Technical data

Rated data		WDU 2.5N/600 UL	WDU 4
Rated voltage	V	800	800
Rated current	A	24	32
Rated cross-section	mm²	2.5	4
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0	A4 / V-0
Approvals			KEMA 98ATEX1683 U

Clamped conductors (H05V/H07V)		WDU 2.5N/600 UL	WDU 4
solid / stranded	mm²	0.5...4 / 1.5...4	0.5...6 / 1.5...6
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5	0.5...6 / 0.5...4
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)	0.5...1.0 (M 3)
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5

2 clamped cables with same cross-section (H05V/H07V)		WDU 2.5N/600 UL	WDU 4
Solid / stranded	mm²	0.5...1.5	0.5...2.5
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5

Note	WDU 2.5N/600 UL	WDU 4
	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)	Note max. current of terminal (41 A) when using WQV

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	25	20	
2.5	AWG 30... 12	AWG 25... 12	

IEC 60947-7-1 Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	35	35	28
4	AWG 22... 10	AWG 26... 10	4

Rated connection	further connection	WDU 2.5N/600 UL	WDU 4
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 (M 2.5)			
10 / 0.6 x 3.5			
0.5...1.5			
0.5...1.5 / 0.5...1.5			

Rated connection	further connection	WDU 2.5N/600 UL	WDU 4
0.5...6 / 1.5...6			
0.5...6 / 0.5...4			
0.5...1.0 (M 3)			
10 / 0.6 x 3.5			
0.5...2.5			
0.5...1.5 / 0.5...1.5			

Ordering data

Version		Type	Qty.	Order No.
	dark beige Wemid	WDU 2.5N/600 UL	100	1730940000
	blue Wemid			

Note	WDU 2.5N/600 UL	WDU 4
		Rated voltage 400V when using cross-connection ZQV. See section W-series accessories for colours available.

Version		Type	Qty.	Order No.
	dark beige Wemid	WDU 4	100	1020100000
	blue Wemid	WDU 4 BL	100	1020180000

Accessories

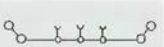
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole				
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
Cross-connection (screwed)			**Current [A]**		
	2-pole	WQV 2.5/2	32	50	1053660000
	3-pole	WQV 2.5/3	32	50	1053760000
	4-pole	WQV 2.5/4	32	50	1053860000
	10-pole	WQV 2.5/10	32	20	1054460000
End plate / Partition plate			**width [mm]**		
End plate	dark beige Wemid				
	blue Wemid				
Partition plate	dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket			**width [mm]**		
	dark beige	EW 35	8.5	50	0383560000
Testing / Checking					
For testing wired terminal strips	Standard	WTA 1 WDU1.5		25	1632290000
	with spigot	WTA 1/ZA WDU1.5		25	1632300000
Cover					
	with lightning flash symbol	WAD 4 GE BED		50	1072000000
	blank	WAD 4 WS		50	1072100000
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"		Socket end test plug, see section W-series accessories			

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4N/2 GE	32	60	1758250000
	3-pole	ZQV 4N/3 GE	32	60	1762630000
	4-pole	ZQV 4N/4 GE	32	60	1762620000
	10-pole	ZQV 4N/10 GE	32	20	1758290000
	20-/24-pole	ZQV 4N/20 GE	32	20	1909020000
Cross-connection (screwed)			**Current [A]**		
	2-pole	WQV 4/2	41	50	1051980000
	3-pole	WQV 4/3	32	50	1054560000
	4-pole	WQV 4/4	32	50	1054660000
	10-pole	WQV 4/10	41	20	1052080000
End plate / Partition plate			**width [mm]**		
End plate	dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
	blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Partition plate	dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket			**width [mm]**		
	dark beige	WEW-35/2	8	100	1061200000
Testing / Checking					
For testing wired terminal strips	Standard	WTA 3 WDU4		25	1632350000
	with spigot	WTA 3/ZA WDU4		25	1632360000
Cover					
	with lightning flash symbol	WAD 5 M BL		50	1053460000
	blank	WAD 5 NEUTRAL		50	1056080000
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6			
For detailed information on other accessories and applications see "Accessories"		Socket end test plug, see section W-series accessories			

WDU 4/ZZ — 4 mm²

Twin connection

6.1 x 70 x 53.5
32 / 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			

8 / 3
A4 / V-0

Rated connection	further connection
0.5...6 / 0.5...6	
0.5...4 / 0.5...4	
0.5...0.8 (M3)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4/ZZ	50	1905060000

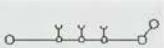
Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP WDU/WTR4/ZZ	1.5	50	1905150000
	width [mm]		
WEW-35/2	8	100	1061200000

DEK 6 / WS 12/6

WDU 4/ZR — 4 mm²

Supplementary connection, right

6.1 x 63.5 x 53.5
32 / 6
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			

8 / 3
A4 / V-0

Rated connection	further connection
0.5...6 / 0.5...6	
0.5...4 / 0.5...4	
0.5...0.8 (M3)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4/ZR	50	1905140000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP WDU/WTR4/ZR	1.5	50	1905070000
	width [mm]		
WEW-35/2	8	100	1061200000

DEK 6 / WS 12/6

WDU 4N — 4 mm²

Compact design

6.1 x 44 x 38.5
39 / 6
0.13 ... 6

IEC 60947-7-1 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
32	10	10	27
4	AWG 26... 12	AWG 26... 10	4

6 / 3
A4 / V-0

cULus — KEMA 98ATEX1683 U

Rated connection	further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1.0 (M3)	
11 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Approval cULus: 2 conductors 1.5mm² solid have to be connected at 0.8 Nm.

Type	Qty.	Order No.
WDU 4N	100	1042600000
WDU 4N BL	100	1042680000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP WDU2.5N/4N	1.5	50	1090000000
WAP WDU2.5N/4N BL	1.5	50	1090080000
	width [mm]		
EW 35	8.5	50	0383560000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000

WS 12/6

Feed-through terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDU 6	WDU 10
	6 mm²	10 mm²
width x length x height with TS 35 x 7.5 mm	7.9 x 60 x 47	9.9 x 60 x 47
max. current / max. conductor A/mm²	57 / 10	76 / 16
max. clamping range mm²	0.33 ... 10	0.82 ... 16

Technical data

	WDU 6	WDU 10
	IEC 60947-7-1 Ex e II II 2 G D	IEC 60947-7-1 Ex e II II 2 G D
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	800 / 600 / 600 / 550	1000 / 600 / 600 / 550
Rated current A	41 / 50 / 50 / 36	57 / 65 / 65 / 50
Rated cross-section mm²	6 / AWG 22... 8 / AWG 22... 8 / 6	10 / AWG 18... 6 / AWG 16... 6 / 10
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A5 / V-0	B6 / V-0
Approvals	KEMA 98ATEX1683 U	KEMA 98ATEX1683 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
solid / stranded mm²	0.5... 10 / 1.5... 10	1.5... 16 / 1.5... 16
Flexible / Flexible with wire-end ferrule mm²	0.5... 10 / 0.5... 6	1.5... 16 / 1.5... 16
Tightening torque range (clamping screw) Nm	0.8... 1.6 (M 3.5)	1.2... 2.4 (M 4)
Stripping length / Blade size mm / -	12 / 4.0 x 0.8	12 / 1.0 x 5.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5... 2.5	1... 6
Flexible / Flexible with wire-end ferrule mm²	0.5... 2.5 / 0.5... 2.5	1... 6 / 1... 6
Note	Note max. current of terminal (57 A) when using WQV.	Note max. current of terminal (76 A) when using WQV AWG 6/7 and H07V-R16 secured with 2.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WDU 6	100	1020200000
blue Wemid	WDU 6 BL	100	1020280000
Note	For colours available see section W-series accessories Specific functions		

Version	Type	Qty.	Order No.
dark beige Wemid	WDU 10	50	1020300000
blue Wemid	WDU 10 BL	50	1020380000
Note	For colours available see section W-series accessories Specific functions		

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
Cross-connection (screwed)		**Current [A]**		
2-pole	WQV 6/2	57	50	1052360000
3-pole	WQV 6/3	57	50	1054760000
4-pole	WQV 6/4	57	50	1054860000
10-pole	WQV 6/10	57	20	1052260000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal Standard	WTA 5/1		25	1051260000
strips with spigot				
Cover				
with lightning flash symbol	WAD 8 M BL		50	1053560000
blank	WAD 8 NEUTRAL		50	1056160000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Socket end test plug, see section W-series accessories			

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
Cross-connection (screwed)		**Current [A]**		
2-pole	WQV 10/2	57	50	1052560000
3-pole	WQV 10/3	57	50	1054960000
4-pole	WQV 10/4	57	50	1055060000
10-pole	WQV 10/10	57	20	1052460000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal Standard	WTA 5/1		25	1051260000
strips with spigot				
Cover				
with lightning flash symbol	WAD 8 M BL		50	1053560000
blank	WAD 8 NEUTRAL		50	1056160000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Socket end test plug, see section W-series accessories			

WDU 10/ZR — 10 mm²

Supplementary connection, right (4 mm²)

9.9 x 70 x 49.5
76 / 16
1.31 ... 16

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	65	65	
10	AWG 16... 6	AWG 16... 6	
	8 / 3		
	B6 / A4 / V-0		

Rated connection	further connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...2.4 (M 4)	0.5...0.8 (M 3)
12 / 0.6 x 3.5	9 / 0.6 x 3.5
1...1.5	0.5...1.5
1...6 / 1...6	0.5...1.5 / 0.5...1.5

Note max. current of terminal (76 A) when using WQV AWG 6/7 and H07V-R16 secured with 2.4 Nm ZR connection topright A4.

Type	Qty.	Order No.
WDU 10/ZR	50	1042400000
WDU 10/ZR BL	50	1042480000

Rated data relates to 10mm² connection

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 10/2	57	50	1052560000
WQV 10/3	57	50	1054960000
WQV 10/4	57	50	1055060000
WQV 10/10	57	20	1052460000
	width [mm]		
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 5/1		25	1051260000

WS 12/6,5

Socket end test plug, see section W-series accessories

WDU 16 — 16 mm²

with spigot for higher connection stability

11.9 x 60 x 63
101 / 25
1.5 ... 25

IEC 60947-7-1 Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
76	85	85	66
16	AWG 18... 4	AWG 14... 6	16
	8 / 3		
	B7 / V-0		

KEMA 98ATEX1683U

Rated connection	further connection
1.5...16 / 1.5...25	
1.5...25 / 1.5...16	
2.0...4.0 (M 5)	
16 / 1.0 x 5.5	
1.5...6	
1.5...6 / 1.5...6	

Type	Qty.	Order No.
WDU 16/ZA	50	1028900000
WDU 16/ZA BL	50	1028980000

Order No. 1028400000 and 1028480000 (blue) versions without spigot (50 pcs)

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 16/2	101	50	1053260000
WQV 16/3	76	50	1055160000
WQV 16/4	76	50	1055260000
WQV 16/10	76	10	1053360000
	width [mm]		
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
	width [mm]		
WEW 35/1	12	50	1059000000
WAD 12 M. BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000

WS 12/6,5

Socket end test plug, see section W-series accessories

WDU 16N — 16 mm²

Suitable for power distribution
Compact design

12 x 60 x 47
101 / 25
1.5 ... 25

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300	300	
76	70	70	
16	AWG 14... 6	AWG 14... 6	
	8 / 3		
	B7 / V-0		

Rated connection	further connection
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 (M 4)	
12 / 1.0 x 5.5	
1.5...4	
1.5...4 / 1.5...4	

AWG 6/7 und H07V-R25 conductors require a tightening torque of 1.5 Nm

Type	Qty.	Order No.
WDU 16N	50	1036100000
WDU 16N BL	50	1036180000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 16N/2	76	50	1036560000
WQV 16N/3	76	50	1036570000
WQV 16N/4	76	50	1036580000
	width [mm]		
WTW EN	3	20	1058300000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 2 WDU2 5-10		25	1032320000
WAD 16N GE BED		50	1083600000
WAD 16N WS		50	1083500000

WS 12/6,5

Socket end test plug, see section W-series accessories

Feed-through terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WDU 35 — 35 mm²

Clamping screw / spigot for good connection stability

WDU 35 IK — 35 mm²

Hexagonal socket / spigot for good connection stability

width x length x height with TS 35 x 7.5	mm	16 x 60 x 63	16 x 60 x 63
max. current / max. conductor	A/mm²	150 / 50	150 / 50
max. clamping range	mm²	2.5 ... 50	2.5 ... 50

Technical data

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	1000	600	690
Rated current	125	150	120	109
Rated cross-section	35	AWG 12... 1	AWG 12... 2	35
Rated impulse withstand voltage / Pollution severity	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	B8 / V-0			
Approvals	KEMA 98ATEX1683 U			

Clamped conductions (H05V/H07V)	
solid / stranded	mm²
Flexible / Flexible with wire-end ferrule	mm²
Tightening torque range (clamping screw)	Nm
Stripping length / Blade size	mm / -

2 clamped cables with same cross-section (H05V/H07V)	Rated connection	further connection
Solid / stranded	2.5... 16 / 2.5... 50	
Flexible / Flexible with wire-end ferrule	2.5... 35 / 2.5... 35	
	4.0... 5.0 (M 6)	
	18 / 6.5 x 1.2	
Solid / stranded	2.5... 10 / 16... 16	
Flexible / Flexible with wire-end ferrule	2.5... 16 / 2.5... 16	

Note
Copper straps can be used, possible connections: 3 to 9 layers 9 x 0.8 mm, see online catalogue

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	1000	600	690
Rated current	125	150	120	109
Rated cross-section	35	AWG 12... 1	AWG 12... 2	35
Rated impulse withstand voltage / Pollution severity	8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	B8 / V-0			
Approvals	KEMA 98ATEX1683 U			

Clamped conductions (H05V/H07V)	
solid / stranded	mm²
Flexible / Flexible with wire-end ferrule	mm²
Tightening torque range (clamping screw)	Nm
Stripping length / Blade size	mm / -

2 clamped cables with same cross-section (H05V/H07V)	Rated connection	further connection
Solid / stranded	2.5... 16 / 2.5... 50	
Flexible / Flexible with wire-end ferrule	2.5... 35 / 2.5... 35	
	4.0...6.0 (M 6)	
	18 / 9.5 (DIN 6911)	
Solid / stranded	2.5... 10 / 16... 16	
Flexible / Flexible with wire-end ferrule	2.5... 16 / 2.5... 16	

Note
Copper straps can be used, possible connections: 3 to 9 layers 9 x 0.8 mm, see online catalogue

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WDU 35/ZA	40	1028300000
blue Wemid	WDU 35/ZA BL	40	1028380000

Note: Order No. 1020600000 and 1020680000 (blue) versions without spigot (40 pcs)

Version	Type	Qty.	Order No.
	WDU 35/IK/ZA	25	1029000000
	WDU 35/IK/ZA BL	25	1029080000

Note: Order No. 1020600000 and 1020680000 (blue) versions without spigot (25 pcs)

Accessories

Cross-connector, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
Cross-connection (screwed)		**Current [A]**		
2-pole	WQV 35/2	125	50	1053060000
3-pole	WQV 35/3	112	50	1053360000
4-pole	WQV 35/4	112	50	1053460000
10-pole	WQV 35/10	112	10	1053160000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid				
blue Wemid				
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket		**width [mm]**		
dark beige	WEW 35/1	12	50	1059000000
Testing / Checking				
For testing wired terminal Standard				
strips with spigot				
Cover				
with lightning flash symbol	WAD 12 M. BL.		50	1056960000
blank	WAD 12 NEUTRAL		50	1056260000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			

For detailed information on other accessories and applications see "Accessories"

Socket end test plug, see section W-series accessories

Cross-connector, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
Cross-connection (screwed)		**Current [A]**		
2-pole	WQV 35/2	125	50	1053060000
3-pole	WQV 35/3	112	50	1053360000
4-pole	WQV 35/4	112	50	1053460000
10-pole	WQV 35/10	112	10	1053160000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid				
blue Wemid				
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000
End bracket		**width [mm]**		
dark beige	WEW 35/1	12	50	1059000000
Testing / Checking				
For testing wired terminal Standard				
strips with spigot				
Cover				
with lightning flash symbol	WAD 12 M. BL.		50	1056960000
blank	WAD 12 NEUTRAL		50	1056260000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			

For detailed information on other accessories and applications see "Accessories"

Socket end test plug, see section W-series accessories

WDU 35N — 35 mm²

Suitable for power distribution
Compact design

16 x 66 x 51
150 / 50
2.5 ... 50

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
125	150	10	
35	AWG 12.. 1	AWG 12.. 2	
	6 / 3		
	B8 / V-0		

Rated connection	further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4.0...5.0 (M6)	
18 / 6.5 x 1.2	
2.5...6	
2.5...6 / 2.5...6	

Copper straps can be used: possible connectors: see online catalogue.

Type	Qty.	Order No.
WDU 35N	20	1040400000
WDU 35N BL	20	1040480000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 35N/2	125	20	1079200000
WQV 35N/3	101	20	1079300000
WQV 35N/4	101	20	1079400000
	width [mm]		
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 16N GE BED		50	1083600000
WAD 16N WS		50	1083500000
WS 12/6,5			

WDU 50N — 50 mm²

Compact design

18.5 x 70 x 70
192 / 70
10 ... 70

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
150	150	150	126
50	AWG 10.. 1/0	AWG 8.. 1/0	50
	8 / 3		
	B10 / V-0		

KEMA 98ATEX1685 U

Rated connection	further connection
10...16 / 10...70	
10...50 / 10...50	
35...60 (M6)	
24 / S4 (DIN 6911)	
/ 6...16	
6...16 / 6...16	

Copper straps can be used: possible connectors: see online catalogue

Type	Qty.	Order No.
WDU 50N	10	1820840000
WDU 50N BL	10	1820850000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 50N/2	150	5	1834060000
WQV 50N/3	150	5	1834070000
WQV 50N/4	150	5	1834080000
	width [mm]		
	width [mm]		
WEW 35/1	12	50	1059000000
WAD 20 GE		10	9512260000
WAD 20 WS		10	9512270000
WS 12/6,5			

WDU 70N — 70 mm²

Compact design

20.5 x 75 x 86
232 / 95
10 ... 95

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	175	205	167
70	AWG 6.. 3/0	AWG 8.. 2/0	70
	8 / 3		
	B11 / V-0		

KEMA 98ATEX1683 U

Rated connection	further connection
10...16 / 10...95	
10...70 / 10...70	
8.0...12.0 (M8)	
22 / S5 (DIN 6911)	
6...16 / 10...25	
10...25 / 6...25	

Copper straps can be used: possible connectors: see online catalogue

Type	Qty.	Order No.
WDU 70N/35	10	9512190000
WDU 70N/35 BL	10	9512420000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 70N/2	192	5	9512240000
WQV 70N/3	192	5	9512250000
WQV 70N/4	192	5	9512290000
	width [mm]		
	width [mm]		
WEW 35/1	12	50	1059000000
WAD 20 GE		10	9512260000
WAD 20 WS		10	9512270000
WS 12/6,5			

For additional auxiliary connection (WZAD) see section W-series accessories

Feed-through terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		WDU 95N/120N	120 mm²	WDU 240	240 mm²
		Compact design			
width x length x height with TS 35 x 7.5	mm	27 x 91 x 90		36 x 100 x 131.5	
max. current / max. conductor	A/mm²	290 / 150		415 / 240	
max. clamping range	mm²	16 ... 150		70 ... 240	

Technical data

		WDU 95N/120N				WDU 240			
Rated data		IEC 60947-7-1			Ex e II Ex II 2 G D	IEC 60947-7-1			Ex e II Ex II 2 G D
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	1000	1000	880	1000	600	600	1100
Rated current	A	269	190	220	243	415	380	400	300
Rated cross-section	mm²	120	AWG 4... kcmil 250	AWG 4... 4/0	120	240	AWG 00... 500 MCM	AWG 00...500 MCM	240
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		B13 / V-0				B15 / V-0			
Approvals					KEMA 98ATEX1683 U				KEMA 01ATEX2186 U
Clamped conductors (H05V/H07V)		Rated connection			further connection	Rated connection			further connection
solid / stranded	mm²	16... 16 / 16... 150				/ 70... 240			
Flexible / Flexible with wire-end ferrule	mm²	16... 120 / 16... 95				70...240 / 70... 185			
Tightening torque range (clamping screw)	Nm	12... 20 (M 10)				12... 20 (M 10)			
Stripping length / Blade size	mm / -	27 / S6 (DIN 6911)				40 / S9 (DIN 6911)			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²	10... 16 / 10... 35				/ 35... 95			
Flexible / Flexible with wire-end ferrule	mm²	16... 35 / 10... 35				50... 95 / 35... 50			
Note		Copper straps can be used, possible connections see online catalogue				Copper straps can be used, possible connections see online catalogue			

Ordering data

		WDU 95N/120N			WDU 240		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	WDU 95N/120N	5	1820560000	WDU 240	2	1802780000
	blue Wemid	WDU 95N/120N BL	5	1820560000	WDU 240 BL	2	1822210000
Note							

Accessories

		WDU 95N/120N			WDU 240		
Cross-connection, pluggable		Type	Current [A]	Qty. Order No.	Type	Current [A]	Qty. Order No.
	2-pole						
	3-pole						
	4-pole						
	10-pole						
	20-/24-pole						
Cross-connection (screwed)			Current [A]			Current [A]	
	2-pole	WQV 95N/120N-2	269	5 1826890000	WQB 240/2	320	5 1802790000
	3-pole	WQV 95N/120N-3	269	5 1826900000	WQB 240/3	320	5 1802800000
	4-pole	WQV 95N/120N-4	269	5 1826910000			
	10-pole						
End plate / Partition plate			width [mm]			width [mm]	
End plate	dark beige Wemid						
	blue Wemid						
Partition plate	dark beige Wemid						
	blue Wemid						
End bracket			width [mm]			width [mm]	
	dark beige	WEW 35/1	12	50 1059000000	WEW 35/1	12	50 1059000000
Testing / Checking							
For testing wired terminal strips	Standard						
	with spigot						
Cover							
	with lightning flash symbol	WAD 20 GE		10 9512260000			
	blank	WAD 20 WS		10 9512270000			
Marking systems (see large assortment in catalogue 7)							
	Marking tags	WS 12/6,5			WS 12/6,5		
For detailed information on other accessories and applications see "Accessories"					Auxiliary conn. for additional conductor WZAD 240 order No. 1802810000 (up to 10 mm², 57 A). Insert ELPF for ribbon cable order No. 1824680000		

Large conductor cross-sections do not require a great force to insert them into the clamping point, but instead can be easily and quickly placed in the modular terminal.
Every type of terminal is available in both single and block forms. All blocks are screwed permanently together and therefore provide additional torsional rigidity.
Direct mounting is possible thanks to the elongated holes on the underside of the terminal.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WDU 70/95 — 95 mm²

Conductor can be inserted from above / leaf spring

width x length x height with TS 35 x 7.5	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²
	27 x 132 x 108
	232 / 120
	13.3 ... 120

WDU 120/150 — 150 mm²

Conductor can be inserted from above / leaf spring

	32 x 132 x 118
	309 / 150
	33.62 ... 150

Technical data

Rated data		IEC 60947-7-1			Ex e II (Ex) II 2 G D
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	600	600	690
Rated current	A	232	175	205	202
Rated cross-section	mm²	95	AWG 6... 2/0	AWG 6... 2/0	95
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			B12 / V-0		
Approvals					KEMA 98ATEX1646 U

Clamped conductors (H05V/H07V)		Rated connection	further connection
solid / stranded	mm²	16... 16 / 16... 120	
Flexible / Flexible with wire-end ferrule	mm²	16... 95 / 16... 95	
Tightening torque range (clamping screw)	Nm	6,0... 12 (M 8)	
Stripping length / Blade size	mm / -	30 / S6 (DIN 6911)	
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²	16... 16 / 16... 35	
Flexible / Flexible with wire-end ferrule	mm²	16... 35 / 16... 35	
Note		copper strip applicable see online-catalogue	

Rated data		IEC 60947-7-1			Ex e II (Ex) II 2 G D
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	600	600	1100
Rated current	A	309	225	285	234
Rated cross-section	mm²	150	AWG 2... kcmil 250	AWG 2... kcmil 250	150
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			B13 / V-0		
Approvals					KEMA 98ATEX1646 U

Clamped conductors (H05V/H07V)		Rated connection	further connection
		/ 35... 150	
		35... 150 / 35... 95	
		10... 20 (M 10)	
		35 / S6 (DIN 6911)	
		/ 35... 70	
		35... 70 / 35... 70	
Note		copper strip applicable see online-catalogue	

Ordering data

Version		Type	Qty.	Order No.
	dark beige Wemid	WDU 70/95	10	1024600000
	blue Wemid	WDU 70/95 BL	10	1024680000
Note		For details of ribbon cable see online catalogue, and for direct mounting see section W-series accessories		

Version		Type	Qty.	Order No.
	dark beige Wemid	WDU 120/150	10	1024500000
	blue Wemid	WDU 120/150 BL	10	1024580000
Note		For details of ribbon cable see online catalogue, and for direct mounting see section W-series accessories		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole				
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
Cross-connection (screwed)			**Current [A]**		
	2-pole	WQV 70/96/2	232	5	1063500000
	3-pole	WQV 70/96/3	232	5	1063600000
	4-pole				
	10-pole				
End plate / Partition plate			**width [mm]**		
End plate	dark beige Wemid				
	blue Wemid				
Partition plate	dark beige Wemid				
	blue Wemid				
End bracket			**width [mm]**		
	dark beige	WEW 35/1	12	50	1059000000
Testing / Checking					
For testing wired terminal strips	Standard				
	with spigot				
Cover					
	with lightning flash symbol	WAD 27 M. BL.		10	1062860000
	blank	WAD 27 NEUTRAL		10	1062960000
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Auxiliary connection for additional conductor WZAD 70 order No. 1066000000 (up to 4 mm², 32 A)			

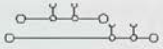
Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.
	2-pole				
	3-pole				
	4-pole				
	10-pole				
	20-/24-pole				
Cross-connection (screwed)			**Current [A]**		
	2-pole	WQV 120/2	269	5	1063300000
	3-pole	WQV 120/3	269	5	1063400000
	4-pole				
	10-pole				
End plate / Partition plate			**width [mm]**		
End plate	dark beige Wemid				
	blue Wemid				
Partition plate	dark beige Wemid				
	blue Wemid				
End bracket			**width [mm]**		
	dark beige	WEW 35/1	12	50	1059000000
Testing / Checking					
For testing wired terminal strips	Standard				
	with spigot				
Cover					
	with lightning flash symbol	WAD 27 M. BL.		10	1062860000
	blank	WAD 27 NEUTRAL		10	1062960000
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Auxiliary connection for additional conductor WZAD 120 order No. 1066100000 (up to 4 mm², 32 A)			

Double level terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDK 2.5 ZQV	WDK 2.5
	2.5 mm²	2.5 mm²
	Plug-in cross-connection	Screw cross-connection
width x length x height with TS 35 x 7.5 mm	5.1 x 65.4 x 63	5.1 x 69 x 63
max. current / max. conductor A/mm²	32 / 4	32 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4
		

Technical data

	WDK 2.5 ZQV	WDK 2.5
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II 2 G D	Ex e II 2 G D
Rated data		
Rated voltage V	IEC 400 / UL 300 / CSA 300 / EN 60079-7 275	IEC 400 / UL 300 / CSA 300 / EN 60079-7 275
Rated current A	24 / 20 / 25 / 21	24 / 20 / 10 / 21
Rated cross-section mm²	2.5 AWG 30... 12 / AWG 26... 12 / 2.5	2.5 AWG 30... 12 / AWG 26... 12 / 2.5
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals	KEMA 98ATEX1685 U	KEMA 98ATEX1687 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
solid / stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WDK 2.5 ZQV	100	**1041100000**	WDK 2.5	100	**1021500000**
blue Wemid	WDK 2.5 ZQV BL	100	**1041180000**	WDK 2.5 BL	100	**1021580000**
Note	Rated voltage 400V when using cross-connection ZQV See section W-series accessories for colours available.			For colours available see section W-series accessories Specific functions		

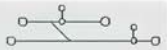
Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24	60	**1693800000**				
3-pole	ZQV 2.5N/3 GE	24	60	**1693810000**				
4-pole	ZQV 2.5N/4 GE	24	60	**1693820000**				
10-pole	ZQV 2.5N/10 GE	24	20	**1693830000**				
20-/24-pole	ZQV 2.5N/20 GE	24	20	**1909000000**				
Cross-connection (screwed)		**Current [A]**				**Current [A]**		
2-pole					WQV 2.5/2	32	50	**1053690000**
3-pole					WQV 2.5/3	32	50	**1053760000**
4-pole					WQV 2.5/4	32	50	**1053890000**
10-pole					WQV 2.5/10	32	20	**1054490000**
End plate / Partition plate		**width [mm]**				**width [mm]**		
End plate dark beige Wemid	WAP WDK2.5	1.5	20	**1059100000**	WAP WDK2.5	1.5	20	**1059100000**
blue Wemid	WAP WDK2.5 BL	1.5	20	**1059180000**	WAP WDK2.5 BL	1.5	20	**1059180000**
Partition plate dark beige Wemid	WTW EN	3	20	**1053800000**	WTW EN	3	20	**1053800000**
blue Wemid								
End bracket		**width [mm]**				**width [mm]**		
dark beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking								
For testing wired terminal Standard								
stops with spigot								
Cover								
with lightning flash symbol	WAD 4 GE BED		50	**1072000000**	WAD 4 GE BED		50	**1072000000**
blank	WAD 4 WS		50	**1072100000**	WAD 4 WS		50	**1072100000**
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 8/5				WS 8/5			
For detailed information on other accessories and applications see "Accessories"	Test plug and socket, see section W-series accessories Note: max. 2.5 mm² when using WQB.				Test plug and socket, see section W-series accessories Note: max. 2.5 mm² when using WQB.			

WDK 2.5 V — 2.5 mm²

Both levels at one potential

5.1 x 69 x 63
32 / 4
0.05 ... 4



IEC 60947-7-1 — Ex e II / Ex II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	10	21
2.5	AWG 30... 12	AWG 26... 12	2.5
6 / 3			
A3 / V-0			
			KEMA 98ATEX1687 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDK 2.5V	100	1022300000
WDK 2.5V BL	100	1022380000

For colours available see section W-series accessories Specific functions

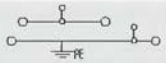
Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			

Test plug and socket see section W-series accessories

WDK 2.5 DU-PE — 2.5 mm²

Lower level earthed on terminal rail

5.1 x 69 x 63
32 / 4
0.05 ... 4



IEC 60947-7-1 (-7-2) — Ex e II / Ex II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	10	21
2.5	AWG 30... 12	AWG 26... 12	2.5
6 / 3			
A3 / V-0			
			KEMA 98ATEX1687 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDK 2.5DU-PE	100	1036400000

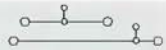
Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			

Test plug and socket, see section W-series accessories

WDK 2.5 / 800 V — 2.5 mm²

Rated voltage 800 V

6.1 x 69 x 63
32 / 4
0.05 ... 4



IEC 60947-7-1 — Ex e II / Ex II 2 G D

IEC	UL	CSA	EN 60079-7
800			440
24			24
2.5			2.5
8 / 3			
A3 / V-0			
			KEMA 98ATEX1685 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDK 2.5/800V	100	1029100000

Type	Current [A]	Qty.	Order No.
	Current [A]		
Q 2 AKZ4SS	20	50	0369000000
Q 3 AKZ4SS	20	50	0369100000
Q 4 AKZ4SS	20	50	0369200000
Q 10 AKZ4SS	20	20	0369300000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			

Test plug and socket see section W-series accessories

Double level terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDK 2.5N	WDK 2.5N V
	2.5 mm²	2.5 mm²
	Plug-in cross-connection Compact design	Both levels at one potential Compact design
width x length x height with TS 35 x 7.5 mm	5.1 x 60.7 x 62.5	5.1 x 60.7 x 62.5
max. current / max. conductor A/mm²	28 / 4	28 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4

Technical data

	WDK 2.5N	WDK 2.5N V
	IEC 60947-7-1	IEC 60947-7-1
	Ex e II (Ex) II 2 G D	Ex e II (Ex) II 2 G D
Rated data		
Rated voltage V	IEC 800 / UL 600 / CSA 300 / EN 60079-7 550	IEC 800 / UL 600 / CSA 300 / EN 60079-7 550
Rated current A	24 / 20 / 20 / 21	24 / 20 / 20 / 21
Rated cross-section mm²	2.5 / AWG 30... 12 / AWG 26... 12 / 2.5	2.5 / AWG 30... 12 / AWG 26... 12 / 2.5
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3	8 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals	KEMA 00ATEX2061 U	KEMA 00ATEX2061 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
solid / stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	8 / 0.6 x 3.5	8 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note	When using the cross-connection ZQV 2.5N, the rated voltage is reduced to 400 V	When using the cross-connection ZQV, the rated voltage is reduced to 4[illegible] V

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WDK 2.5N	100	1041600000
blue Wemid	WDK 2.5N BL	100	1041680000

Type	Qty.	Order No.
WDK 2.5N V	100	1041610000

Note

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24	60	1693800000
3-pole	ZQV 2.5N/3 GE	24	60	1693810000
4-pole	ZQV 2.5N/4 GE	24	60	1693820000
10-pole	ZQV 2.5N/10 GE	24	20	1693830000
20-/24-pole	ZQV 2.5N/20 GE	24	20	1909000000
Cross-connection (screwed)		Current [A]		
2-pole				
3-pole				
4-pole				
10-pole				
End plate / Partition plate		width [mm]		
End plate dark beige Wemid	WAP WDK2.5/4 N	1.5	20	1084000000
blue Wemid				
Partition plate dark beige Wemid	WTW EN	3	20	1053800000
blue Wemid				
End bracket		width [mm]		
dark beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal Standard				
strips with spigot				
Cover				
with lightning flash symbol				
blank				
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 8/5			

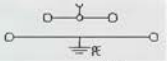
Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693830000
ZQV 2.5N/20 GE	24	20	1909000000
	Current [A]		
	width [mm]		
WAP WDK2.5/4 N	1.5	20	1084000000
WTW EN	3	20	1053800000
	width [mm]		
WEW-35/2	8	100	1061200000
WS 8/5			

For detailed information on other accessories and applications see "Accessories"

WDK 2.5N DU-PE — 2.5 mm²

Lower level earthed on terminal rail
Compact design

5.1 x 60.7 x 62.5
28 / 4
0.05 ... 4



IEC 60947-7-1 (-7-2) — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
24	20	20	21
2.5	AWG 30... 12	AWG 26... 12	2.5
8 / 3			
A3 / V-0			
KEMA 00ATEX2061 U			

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
8 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

When using the cross-connection ZQV, the rated voltage is reduced to 400 V.

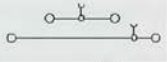
Type	Qty.	Order No.
WDK 2.5N DU-PE	100	1041650000

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/20 GE	24	20	1909000000
	Current [A]		
	width [mm]		
WAP WDK2.5/4 N	1.5	20	1084000000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WS 8/5			

WDK 4N — 4 mm²

Plug-in cross-connection
Compact design

6.1 x 60.7 x 64.1
35 / 6
0.13 ... 6



IEC 60947-7-1 — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26... 10	AWG 26... 10	4
8 / 3			
A4 / V-0			
KEMA 00ATEX2061 U			

Rated connection	further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1.0 (M 3)	
8 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage 400 V when using cross-connection ZQV
2 conductors 1.5 mm², H07V-U1.5, require a tightening torque of 0.6 Nm.

Type	Qty.	Order No.
WDK 4N	100	1041900000
WDK 4N BL	100	1041980000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP WDK2.5/4 N	1.5	20	1084000000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WS 8/5			

WDK 4N V — 4 mm²

Both levels at one potential
Compact design

6.1 x 60.7 x 64.1
35 / 6
0.13 ... 6

IEC 60947-7-1 — Exe II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26... 10	AWG 26... 10	4
8 / 3			
A4 / V-0			
KEMA 00ATEX2061 U			

Rated connection	further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1.0 (M 3)	
8 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage 400 V when using cross-connection ZQV
2 conductors 1.5 mm², H07V-U1.5, require a tightening torque of 0.6 Nm.

Type	Qty.	Order No.
WDK 4N V	100	1041910000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP WDK2.5/4 N	1.5	20	1084000000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WS 8/5			

Double level terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

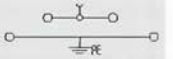
Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WDK 4N DU-PE — 4 mm²

Lower level earthed on terminal rail
Compact design

width x length x height with TS 35 x 7.5 mm	**6.1** x 60.7 x 64.1
max. current / max. conductor A/mm²	**35 / 6**
max. clamping range mm²	**0.13 ... 6**



Technical data

IEC 60947-7-1 (-7-2) — Ex e II (Ex) II 2 G D

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	300	550
Rated current	A	32	35	30	28
Rated cross-section	mm²	4	AWG 26... 10	AWG 26... 10	4
Rated impulse withstand voltage / Pollution severity	kV/-		8 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A4 / V-0		
Approvals					KEMA 00ATEX2061 U

Clamped conductors (H05V/H07V)		Rated connection	Further connection
solid / stranded	mm²	0.5... 6 / 1.5... 6	
Flexible / Flexible with wire-end ferrule	mm²	0.5... 4 / 0.5... 4	
Tightening torque range (clamping screw)	Nm	0.5... 1.0 (M 3)	
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²	0.5... 1.5	
Flexible / Flexible with wire-end ferrule	mm²	0.5... 1.5 / 0.5... 1.5	
Note		Rated voltage 400 V when using cross-connection ZQV/ 2 conductors 1.5mm², solid, require a tightening torque of 0.6 Nm.	

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WDK 4N DU-PE	100	1041950000
blue Wemid			
Note			

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4N/2 GE	32	60	1758250000
3-pole	ZQV 4N/3 GE	32	60	1762630000
4-pole	ZQV 4N/4 GE	32	60	1762620000
10-pole	ZQV 4N/10 GE	32	20	1758260000
20-/24-pole	ZQV 4N/20 GE	32	20	1909020000
Cross-connection (screwed)		**Current [A]**		
2-pole				
3-pole				
4-pole				
10-pole				
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP WDK2.5/4 N	1.5	20	1084000000
blue Wemid				
Partition plate dark beige Wemid	WTW EN	3	20	1053800000
blue Wemid				
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal strips Standard				
with spigot				
Cover				
with lightning flash symbol				
blank				
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 8/5			
For detailed information on other accessories and applications see "Accessories"				

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WPE 1.5/ZZ	WPE 2.5/1.5/ZR
	1.5 mm²	2.5 mm²
	Twin connection	Supplementary connection, right (1.5 mm²)
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 47	5.1 x 60 x 47
max. current / max. cond. cross-section A/mm²	/ 2.5	/ 4
max. clamping range mm²	0.13 ... 2.5	0.05 ... 4

Technical data

	WPE 1.5/ZZ	WPE 2.5/1.5/ZR
Rated data		
Rated cross-section mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjacent terminal V	Ex e II Ex II 2 G D	Ex e II Ex II 2 G D
Rated impulse withstand voltage to adjacent terminal kV	IEC: 1.5 / 800 / 8	IEC: 2.5 / 800 / 8
Short-time withstand current A	UL: AWG 26... 14	UL: AWG 30... 12
Pollution severity	CSA: AWG 26... 14	CSA: AWG 26... 12
Gauge to IEC 60947-1 / UL94 Flammability class	EN 60079-7: 1.5	EN 60079-7: 2.5
Approvals	180 A (1.5 mm²)	300 A (2.5 mm²)
	3	3
	A1 / V-0	A3 / V-0
	KEMA 98ATEX1585 U	KEMA 98ATEX1585 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...2.5 / 1.5...2.5	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)	0.5...1.5 / 0.5...1.5
Tightening torque range (frong screw) Nm	0.4...0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	7 / 0.6 x 3.5	0.4...0.6 (M 2.5)
		10 / 0.6 x 3.5 / 7 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Ordering data

	WPE 1.5/ZZ	WPE 2.5/1.5/ZR
Version	Type / Qty. / Order No.	Type / Qty. / Order No.
green/yellow Wemid	WPE 1.5/ZZ / 100 / **1016500000**	WPE 2.5/1.5/ZR / 100 / **1016400000**
Note		Technical data for supplementary connection, right (1.5 mm²)

Accessories

	WPE 1.5/ZZ	WPE 2.5/1.5/ZR
End plate	Type / width [mm] / Qty. / Order No.	Type / width [mm] / Qty. / Order No.
dark beige Wemid	WAP 2.5-10 / 1.5 / 50 / **1050000000**	WAP 2.5-10 / 1.5 / 50 / **1050000000**
End bracket	width [mm]	width [mm]
dark beige / beige	WEW-35/2 / 8 / 100 / **1061200000**	WEW-35/2 / 8 / 100 / **1061200000**
Testing / Checking		
For testing wired terminal strips Standard		
Screwdrivers		
with cutting device "swiftly set"		
Standard	SD 0.6x3.5x100 / 1 / **9008330000**	SD 0.6x3.5x100 / 1 / **9008330000**
PEN jumper		
Inserted into TN-S distributor between N and PE terminals		
Marking systems (see large assortment in catalogue 7)		
Marking tags	WS 12/5	WS 12/5
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Modular PE terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WPE 2.5	2.5 mm²	WPE 2.5N	2.5 mm²
			Compact design	
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 47		5.1 x 44 x 37.5	
max. current / max. cond. cross-section A/mm²	/ 4		/ 4	
max. clamping range mm²	0.05 ... 4		0.05 ... 4	

Technical data

	WPE 2.5	WPE 2.5N
Rated data	IEC 60947-7-2 Ex e II (Ex) II 2 G D	IEC 60947-7-2 Ex e II (Ex) II 2 G D
Rated cross-section mm²	IEC 2.5 / UL AWG 30... 12 / CSA AWG 30... 12 / EN 60079-7 2.5	IEC 2.5 / UL AWG 30... 12 / CSA AWG 26... 12 / EN 60079-7 2.5
Rated voltage to adjacent terminal V	800	500
Rated impulse withstand voltage to adjacent terminal kV	8	6
Short-time withstand current A	300 A (2.5 mm²)	300 A (2.5 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals	KEMA 98ATEX1683 U	KEMA 98ATEX1683 U
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.8 (M 2.5)	0.4...0.6 (M 2.5)
Tightening torque range (thrng screw) Nm	0.4...0.8 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	WPE 2.5	100	1010000000	WPE 2.5N	100	1016200000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	WAP 2.5-10	1.5	50	1050000000	WAP WDU 2.5N/4N	1.5	50	1050000000
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000	EW 35	8.5	50	0833560000
Testing / Checking								
For testing wired terminal strips Standard								
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems *(see large assortment in catalogue 7)*								
Marking tags	WS 12/5				WS 12/5			
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)				Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)			

WDK 2.5 PE — 2.5 mm²

5.1 x 69.5 x 63
/ 4
0.05 ... 4

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30... 12	AWG 26... 12	2.5
400			
6			
300 A (2.5 mm²)			
3			
A3 / V-0			
			KEMA 98ATEX1687 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDK 2.5PE	100	1036300000

Type	width [mm]	Qty.	Order No.
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000

WS 8/5

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WDK 2.5N PE — 2.5 mm²

Compact design

5.1 x 60.7 x 62.5
/ 4
0.05 ... 4

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30... 12	AWG 26... 12	2.5
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			
			KEMA 00ATEX3061 U

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
8 / 0.6 x 3.5	

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Qty.	Order No.
WDK 2.5N PE	100	1041620000

Type	width [mm]	Qty.	Order No.
WAP WDK2.5/4 N	1.5	20	1084000000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000

WS 8/5

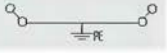
Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Modular PE terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WPE 4	4 mm²	WPE 4/ZZ	4 mm²
			Twin connection	
width x length x height with TS 35 x 7.5 mm	6.1 x 60 x 47		6.1 x 70 x 53.5	
max. current / max. cond. cross-section A/mm²	/ 6		/ 6	
max. clamping range mm²	0.13 ... 6		0.13 ... 6	

Technical data

	WPE 4	WPE 4/ZZ
Rated data	IEC 60947-7-2 — Ex e II (Ex) II 2 G D	IEC 60947-7-2
Rated cross-section mm²	IEC 4 / UL AWG 22... 10 / CSA AWG 26... 10 / EN 60079-7 4	IEC 4 / UL / CSA / EN 60079-7
Rated voltage to adjacent terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	8	8
Short-time withstand current A	480 A (4 mm²)	480 A (4 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0	A4 / V-0
Approvals	KEMA 98ATEX1683 U	
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
Solid / stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...6 / 0.5...4	0.5...4 / 0.5...4
Tightening torque range (clamping screw) Nm	0.5...1.0 (M3)	0.5...0.8 (M3)
Tightening torque range (thrng screw) Nm	0.5...0.8 (M3)	
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	WPE 4	100	1010100000	WPE 4/ZZ	50	1905130000
Note						

Accessories

End plate	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
dark beige Wemid					WAP WDUWTR4/ZZ	1.5	50	1905150000
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking								
For testing wired terminal strips Standard								
Screwdrivers								
with cutting device "swiftly set"								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 12/6				WS 12/6			
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)				Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)			

WPE 4/ZR — 4 mm²

Supplementary connection, right

6.1 x 63.5 x 53.5
/ 6
0.13 ... 6

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection	further connection
0.5...6 / 0.5...4	
0.5...2.5 / 0.5...4	
0.5...0.8 (M3)	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
WPE 4/ZR	50	1905120000

Type	width [mm]	Qty.	Order No.
WAP WDU/WTR4/ZR	1.5	50	1905070000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000

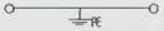
WS 12/6

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 4N — 4 mm²

Compact design

6.1 x 44 x 38.5
/ 6
0.13 ... 6



IEC 60947-7-2 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
500			
6			
480 A (4 mm²)			
3			
A3 / V-0			

KEMA 98ATEX1683 U

Rated connection	further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1.0 (M3)	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
WPE 4N	100	1042700000

Type	width [mm]	Qty.	Order No.
WAP WDU2.5N/4N	1.5	50	1050000000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

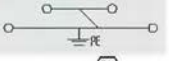
WS 12/6

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WDK 4N PE — 4 mm²

Compact design

6.1 x 60.7 x 64.1
/ 6
0.13 ... 6



IEC 60947-7-2 — Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26... 10	AWG 26... 10	4
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

KEMA 98ATEX1683 U

Rated connection	further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1.0 (M3)	
8 / 0.6 x 3.5	

Type	Qty.	Order No.
WDK 4N PE	100	1041920000

Type	width [mm]	Qty.	Order No.
WAP WDK2.5/4 N	1.5	20	1084000000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000

WS 8/5

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Modular PE terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		WPE 6	WPE 10
		6 mm²	10 mm²
width x length x height with TS 35 x 7.5	mm	7.9 x 60 x 47	9.9 x 60 x 47
max. current / max. cond. cross-section	A/mm²	/ 10	/ 16
max. clamping range	mm²	0.33 ... 10	1.31 ... 16

Technical data

		WPE 6	WPE 10
Rated data		IEC 60947-7-2	IEC 60947-7-2
		Ex e II Ex II 2 G D	Ex e II Ex II 2 G D
IEC		6	10
UL		AWG 22... 8	AWG 16... 6
CSA		AWG 20... 8	AWG 16... 6
EN 60079-7		6	10
Rated cross-section	mm²		
Rated voltage to adjacent terminal	V	1000	800
Rated impulse withstand voltage to adjacent terminal	kV	8	8
Short-time withstand current	A	720 A (6 mm²)	1200 A (10 mm²)
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		A5 / V-0	B6 / V-0
Approvals		KEMA 98ATEX1683 U	KEMA 98ATEX1683 U
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 10 / 1.5... 10	1.5... 16 / 1.5... 16
Flexible / Flexible with wire-end ferrule	mm²	0.5... 10 / 0.5... 6	1.5... 16 / 1.5... 16
Tightening torque range (clamping screw)	Nm	0.8... 1.6 (M 3.5)	1.2... 2.4 (M 4)
Tightening torque range (frang screw)	Nm	0.5... 1.0 (M 3)	0.5... 1.0 (M 3)
Stripping length / Blade size	mm / -	12 / 4.0 x 0.8	12 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire-end ferrule	mm²		
Note			AWG 6/7 and H07V-R16 conductors require a tightening torque of 2.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
green/yellow Wemid	WPE 6	50	1010200000
green/yellow Wemid	WPE 10	50	1010300000

Accessories

	Type	width [mm]	Qty.	Order No.
End plate				
dark beige Wemid				
End bracket		width [mm]		
dark beige / beige	WEW-35/2	8	100	1061200000
Testing / Checking				
For testing wired terminal strips Standard				
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 0.8x4.0x100		1	9008340000
	SD 1.0x5.5x150		1	9008350000
PEN jumper				
Inserted into TN-S distributor between N and PE terminals				
	WQB-PEN 10		10	1060300000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			
	WS 12/6,5			

For detailed information on other accessories and applications see "Accessories"

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 10/ZR — 10 mm²

Supplementary connection, right (4 mm²)

9.9 x 70 x 49.5
/ 16
1.31 ... 16

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16... 6	AWG 14... 6	
800			
8			
1200 A (10 mm²)			
3			
B6 / A4 / V-0			

Rated connection	further connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...2.4 (M 4)	0.6...0.8 (M 3)
0.5...1.0 (M 3)	
12 / 0.6 x 3.5	9 / 0.6 x 3.5

Max. conductor cross-sections refer to 10 mm² connection. AWG 6/7 and H07V-R16 secured with 2.4 Nm.

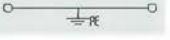
Type	Qty.	Order No.
WPE 10/ZR	50	1042500000

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000
WQB-PEN 10		10	1060300000

WS 12/6,5
Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 16 — 16 mm²

11.9 x 60 x 63
/ 25
1.5 ... 25



IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14... 4	AWG 14... 6	16
1000			
8			
1920 A (16 mm²)			
3			
B7 / V-0			

KEMA 98ATEX1683 U

Rated connection	further connection
1.5...16 / 1.5...25	
1.5...25 / 1.5...16	
2.0...4.0 (M 5)	
1.2...2.4 (M 4)	
16 / 1.0 x 5.5	

Use TS 35x15 (steel, 1.5 mm thick) for 25 mm² conductors.

Type	Qty.	Order No.
WPE 16	50	1010400000

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW 35/1	12	50	1059000000
SD 1.0x5.5x150		1	9008350000
WQB-PEN 16		10	1060200000

WS 12/6,5
Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 16N — 16 mm²

Compact design

12 x 60 x 47
/ 25
1.5 ... 25

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14... 6	AWG 14... 6	
400			
6			
1920 A (16 mm²)			
3			
B7 / V-0			

Rated connection	further connection
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 (M 4)	
0.5...1.0 (M 3)	
12 / 1.0 x 5.5	

25 mm² stranded requires a tightening torque of 2.2 Nm

Type	Qty.	Order No.
WPE 16N	50	1019100000

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW-35/2	8	100	1061200000
SD 1.0x5.5x150		1	9008350000

WS 12/6,5
Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Modular PE terminals

Identical profiles from 2.5 to 10 mm² with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WPE 35 — 35 mm²

width x length x height with TS 35 x 7.5	mm	16 x 60 x 63
max. current / max. cond. cross-section	A/mm²	/ 50
max. clamping range	mm²	2.5 ... 50

Technical data

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated cross-section	35	AWG 12.. 1	AWG 12.. 2	35
Rated voltage to adjacent terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Short-time withstand current	4200 A (35 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL94 Flammability class	B8 / V-0			
Approvals	KEMA 98ATEX1683 U			

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	2.5.. 16 / 2.5.. 50	
Flexible / Flexible with wire-end ferrule mm²	2.5.. 35 / 2.5.. 35	
Tightening torque range (clamping screw) Nm	4.0.. 5.0 (M 6)	
Tightening torque range (thrng screw) Nm	1.2.. 2.4 (M 4)	
Stripping length / Blade size mm / -	18 / 6.5 x 1.2	
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		
Flexible / Flexible with wire-end ferrule mm²		

Note

Use TS 35x15 (steel, 1.5 mm thick) for 2.5 and 35 mm² conductors and TS 35x15 (steel, 2.3 mm thick) for 50 mm² conductors.

Ordering data

Version	Type	Qty.	Order No.
green/yellow Wemid	WPE 35	25	1010500000

Note

Accessories

	Type	width [mm]	Qty.	Order No.
End plate				
dark beige Wemid				
End bracket		width [mm]		
dark beige / beige	WEW 35/1	12	50	1059000000
Testing / Checking				
For testing wired terminal strips Standard				
Screwdrivers				
with cutting device "swiftly set"				
Standard	SD 1.2x6.5x150		1	9009010000
PEN jumper				
Inserted into TN-S distributor between N and PE terminals	WQB-PEN 35		10	1060100000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)			

WPE 35N — 35 mm²

Compact design

width x length x height with TS 35 x 7.5	mm	16 x 66 x 51
max. current / max. cond. cross-section	A/mm²	/ 50
max. clamping range	mm²	2.5 ... 50

Technical data

IEC 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
Rated cross-section	35	AWG 12.. 1/0	AWG 12.. 2	
Rated voltage to adjacent terminal	400			
Rated impulse withstand voltage to adjacent terminal	6			
Short-time withstand current	4200 A (35 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL94 Flammability class	B8 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	further connection
Solid / stranded mm²	2.5.. 16 / 2.5.. 50	
Flexible / Flexible with wire-end ferrule mm²	2.5.. 35 / 2.5.. 35	
Tightening torque range (clamping screw) Nm	4.0.. 5.0 (M 6)	
Tightening torque range (thrng screw) Nm	1.2.. 2.4 (M 4)	
Stripping length / Blade size mm / -	18 / 6.5 x 1.2	

Note

Use TS 35x15 (steel, 1.5 mm thick) for 35 mm² conductors and TS 35x15 (steel, 2.3 mm thick) for 50 mm² conductors.

Ordering data

Version	Type	Qty.	Order No.
	WPE 35N	20	1717740000

Note

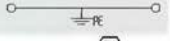
Accessories

	Type	width [mm]	Qty.	Order No.
End plate				
End bracket		width [mm]		
	WEW 35/2	8	100	1061200000
Testing / Checking				
Screwdrivers				
	SD 1.2x6.5x150		1	9009010000
PEN jumper				
	WQV 16N-PEN BL		10	1071360000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)			

WPE 50N — 50 mm²

Compact design

18.5 x 70 x 70
/ 70
10 ... 70



IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
50	AWG 10... 1	AWG 10... 1	50
1000			
8			
6000 A (50 mm²)			
3			
B10 / V-0			
KEMA 98ATEX1685 U			

Rated connection	further connection
10... 16 / 10... 70	
10... 50 / 10... 50	
4 0... 6 0 (M 6)	
3 0... 4 0 (M 5)	
24 / S4 (DIN 6911)	

Use the TS 35x15 terminal rail (copper, 2 3 mm thick) for cross-sections 50 and 70 mm².

Type	Qty.	Order No.
WPE 50N	10	1846040000

UL, CSA and ATEX approvals in preparation.

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW 35/1	12	50	1059000000

WS 12/6,5

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 70N/35 — 70 mm²

Compact design

20.5 x 75 x 86
/ 95
10 ... 95

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
70	AWG 6... 2/0	AWG 6... 2/0	70
1000			
8			
8400 A (70 mm²)			
3			
B11 / V-0			
KEMA 98ATEX1683 U			

Rated connection	further connection
10... 16 / 10... 95	
10... 70 / 10... 70	
8 0... 10 0 (M 8)	
2 0... 4 0 (M 5)	
22 / S6 (DIN 6911)	

Use the TS 35x15 terminal rail (copper, 2 3 mm thick) for cross-sections 50-95 mm².

Type	Qty.	Order No.
WPE 70N/35	10	9512200000

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW 35/1	12	50	1059000000
WQV 70N-PEN		5	9525840000

WS 12/6,5

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

WPE 95N/120N — 95 mm²

Compact design

27 x 91 x 90
/ 150
16 ... 150

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 4... 3/0	AWG 4... 4/0	95
1000			
8			
11400 A (95 mm²)			
3			
B13 / V-0			
KEMA 98ATEX1683 U			

Rated connection	further connection
16...16 / 16...150	
16...120 / 16...95	
12...20 (M 10)	
2 0... 4 0 (M 5)	
27 / S6 (DIN 6911)	

Use the TS 35x15 terminal rail (copper, 2 3 mm thick) for cross-sections 50-120 mm².

Type	Qty.	Order No.
WPE 95N/120N	5	1846030000

UL, CSA and ATEX approvals in preparation

Type	width [mm]	Qty.	Order No.
	width [mm]		
WEW 35/1	12	50	1059000000

WS 12/6,5

Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)

Modular PE terminals

Large conductor cross-sections do not require a great force to insert them into the clamping point, but instead can be easily and quickly placed in the modular terminal.
Every type of terminal is available in both single and block forms. All blocks are screwed permanently together and therefore provide additional torsional rigidity.
Direct mounting is possible thanks to the elongated holes on the underside of the terminal.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		WPE 70/95	95 mm²	WPE 120/150	120 mm²
		Conductor can be inserted from above / leaf spring		Conductor can be inserted from above / leaf spring	
width x length x height with TS 35 x 7.5	mm	27 x 132 x 108		32 x 132 x 118	
max. current / max. cond. cross-section	A/mm²	/ 120		/ 150	
max. clamping range	mm²	13.3 ... 120		33.62 ... 150	

Technical data

		WPE 70/95				WPE 120/150			
Rated data		IEC 60947-7-2			Ex e II (Ex) II 2 G D	IEC 60947-7-2			Ex e II (Ex) II 2 G D
Rated cross-section	mm²	IEC: 95	UL: AWG 6... 2/0	CSA: AWG 6... 2/0	EN 60079-7: 95	IEC: 120	UL: AWG 2... kcmil 250	CSA: AWG 2... kcmil 250	EN 60079-7: 120
Rated voltage to adjacent terminal	V	1000				1000			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Short-time withstand current	A	11400 A (95 mm²)				14400 A (120 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL94 Flammability class		B12 / V-0				B13 / V-0			
Approvals		KEMA 98ATEX1686 U				KEMA 98ATEX1686 U			
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	16... 16 / 16... 120				/ 35... 150			
Flexible / Flexible with wire-end ferrule	mm²	16... 95 / 16... 95				35... 150 / 35... 95			
Tightening torque range (clamping screw)	Nm	6.0... 12 (M 8)				10... 20 (M 10)			
Tightening torque range (thrng screw)	Nm	3.0... 6.0 (M 6)				3.0... 6.0 (M 6)			
Stripping length / Blade size	mm / -	30 / S6 (DIN 6911)				35 / S6 (DIN 6911)			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire-end ferrule	mm²								
Note		Use the TS 35x15 terminal rail (copper, 2.3 mm thick) for cross-sections 50-120 mm².				Use the TS 35x15 terminal rail (copper, 2.3 mm thick) for cross-sections 50-120 mm².			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	WPE 70/95	10	1037300000	WPE 120/150	10	1019700000
Note						

Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid								
End bracket		width [mm]				width [mm]		
dark beige / beige	WEW 35/1	12	50	1059000000	WEW 35/1	12	50	1059000000
Testing / Checking								
For testing wired terminal strips Standard								
Screwdrivers								
with cutting device "swiftly set"								
Standard								
PEN jumper								
Inserted into TN-S distributor between N and PE terminals	WQV 70/95-PEN		5	1072300000	WQV 120-PEN		5	1072400000
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 12/6,5				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)				Rail support for insulated installation of terminal rail SH 2 order no. 0494920000 (10 pcs)			

Modular disconnect terminals enable circuits to be quickly isolated from the supply so that, for example, maintenance or repair work can be carried out.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WTR 2.5	WTR 2.5 StB
	2.5 mm²	2.5 mm²
	with clamping screw	with sockets
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 49	5.1 x 60 x 49
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
max. clamping range mm²	0.05 ... 4	0.05 ... 4

Technical data

	WTR 2.5	WTR 2.5 StB
Rated data	IEC 60947-7-1 / VDE 0100-537	IEC 60947-7-1 / VDE 0100-537
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, feed-through terminal V	500 / 600 / 600	500 / 300 / 300
Rated current A	24 / 20 / 20	24 / 20 / 20
Rated cross-section mm²	2.5 / AWG 30... 12 / AWG 30... 12	2.5 / AWG 30... 12 / AWG 30... 12
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.8 (M 2.5)	0.5...0.7 (M 3)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WTR 2.5	100	1856610000	WTR 2.5 STB 2.3	100	1856620000
blue Wemid	WTR 2.5 BL	100	8731640000	WTR 2.5 STB 2.3 BL	100	8731660000
without disconnector, dark beige Wemid	WTR 2.5/O TNHE	100	8731700000	WTR 2.5/O TNHE STB 2.3	100	8731670000
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/N/2 GE	24	60	1693300000	ZQV 2.5/N/2 GE	24	60	1693300000
3-pole	ZQV 2.5/N/3 GE	24	60	1693310000	ZQV 2.5/N/3 GE	24	60	1693310000
4-pole	ZQV 2.5/N/4 GE	24	60	1693320000	ZQV 2.5/N/4 GE	24	60	1693320000
10-pole	ZQV 2.5/N/10 GE	24	20	1693330000	ZQV 2.5/N/10 GE	24	20	1693330000
End plate / Partition plate		**width [mm]**				**width [mm]**		
End plate dark beige Wemid	WAP WDU/WTR4/ZR	1.5	50	1905070000	WAP WDU/WTR4/ZR	1.5	50	1905070000
Partition plate dark beige Wemid								
End bracket		**width [mm]**				**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Test plug								
Plug dia. 2.3 mm					PS 2.3 RT		20	0180400000
Holder for cartridge fuse, 5 x 20mm								
400 V ac/dc, without LED	SIHA 3/G/20		25	7921560000	SIHA 3/G/20		25	7921560000
10-36 V ac/dc, red LED	SIHA 3/G/20/LD 10-36V		25	7921560000	SIHA 3/G/20/LD 10-36V		25	7921560000
140-250V ac/dc, red LED	SIHA 3/G/20/LD 140-250V		25	7921560000	SIHA 3/G/20/LD 140-250V		25	7921560000
Module connector (max. 250 V)								
reversed insertion possible without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
with 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnecting plug								
yellow Wemid	TNST		50	1833090000	TNST		50	1833090000
Labelling systems (see large assortment in catalogue 7)								
Marking tags	DEK 5 / WS 12/5				DEK 5 / WS 12/5			
For detailed information on other accessories and applications see "Accessories"								

Modular disconnect terminals

Modular disconnect terminals enable circuits to be quickly isolated from the supply so that, for example, maintenance or repair work can be carried out.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WTR 2.5/ZZ — 2.5 mm²

Twin connection

WDTR 2.5 — 2.5 mm²

Double disconnect terminal

width x length x height with TS 35 x 7.5	mm	5.1 x 60 x 49	6.2 x 94 x 69
max. current / max. cond. cross-section	A/mm²	14 / 4	14 / 4
max. clamping range	mm²	0.13 ... 4	0.05 ... 4

Technical data

IEC 60947-7-1 / VDE 0100-537

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage, feed-through terminal	V	400	300	300	
Rated current	A	14	10	10	
Rated cross-section	mm²	2.5	AWG 26... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection
Solid / stranded	mm²	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm	0.5...0.6 (M 3)
Stripping length / Blade size	mm / -	7 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded	mm²	0.5...1.5
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5
Note		

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	4 / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...2.5 / 0.5...2.5
0.5...0.6 (M 3)
8 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WTR 2.5/ZZ	100	1039900000
blue Wemid	WTR 2.5/ZZ BL	100	1039980000
without disconnector, dark beige Wemid			
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

Type	Qty.	Order No.
WDTR 2.5	25	9528070000
WDTR 2.5 BL	25	9528080000

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	1608360000
3-pole	ZQV 2.5/3	24	60	1608370000
4-pole	ZQV 2.5/4	24	60	1608380000
10-pole	ZQV 2.5/10	24	20	1608940000
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP WTR2.5/ZZ	1.5	20	1074600000
Partition plate dark beige Wemid				
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Screwdrivers				
Standard	SD 0.6x3.5x100		1	9008330000
Test plug				
Plug dia. 2.3 mm				
Holder for cartridge fuse, 5 x 20mm				
400 V ac/dc, without LED	SIHA 1/G20		25	9537560000
10-36 V ac/dc, red LED	SIHA 1/G20 10-36V		25	9537560000
140-250V ac/dc, red LED	SIHA 1/G20 140-250V		25	9537590000
Module connector (max. 250 V)				
reversed insertion possible without fittings				
with wire jumper				
with 1N4007 diode				
Disconnecting plug				
yellow Wemid				
Labelling systems (see large assortment in catalogue 7)				
Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"				

Type	Current [A]	Qty.	Order No.
	width [mm]		
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6x3.5x100		1	9008330000
WS 8/5			
External cross-connection is possible with WQB 15/50, see chapter Accessories.			

WTR 4 — 4 mm²

with clamping screw

6.1 x 60 x 48.6
32 / 6
0.33 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...4
0.5...4 / 0.5...4
0.5...0.6 (M3)
13 / 0.6 x 3.5

0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
WTR 4	50	7910180000
WTR 4 BL	50	7910190000

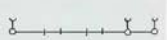
Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

DEK 5 / WS 12/5

WTR 4 StB — 4 mm²

with socket

6.1 x 60 x 48.6
32 / 6
0.33 ... 6



IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 (M3)
13 / 0.6 x 3.5

0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
WTR 4 STB	50	7910210000
WTR 4 STB BL	50	7910220000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

DEK 5 / WS 12/5

WTR 4/ZZ — 4 mm²

Twin connection with clamping screw

6.1 x 70 x 53.5
27 / 6
0.13 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500			
27			
4			
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...4 / 0.5...4
0.5...0.6 (M3)
10 / 0.6 x 3.5

0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
WTR 4/ZZ	50	1905090000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
	width [mm]		
WAP WD/UWTR4/ZZ	1.5	50	1905150000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

DEK 5 / WS 12/5

Modular disconnect terminals

Modular disconnect terminals enable circuits to be quickly isolated from the supply so that, for example, maintenance or repair work can be carried out.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WTR 4/ZZ StB — 4 mm²

Twin connection with socket

WTR 4/ZR — 4 mm²

Supplementary connection, right, with clamping screw

		WTR 4/ZZ StB	WTR 4/ZR
width x length x height with TS 35 x 7.5	mm	6.1 x 70 x 53.5	6.1 x 63.5 x 53.5
max. current / max. cond. cross-section	A/mm²	27 / 6	27 / 6
max. clamping range	mm²	0.13 ... 6	0.13 ... 6

Technical data

		WTR 4/ZZ StB	WTR 4/ZR
Rated data		IEC 60947-7-1 / VDE 0100-537	IEC 60947-7-1 / VDE 0100-537
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, feed-through terminal	V	500	500
Rated current	A	27	27
Rated cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A4 / V-0	A4 / V-0
Approvals			
Clamped conductors (H05V/H07V)		Rated connection	Rated connection
Solid / stranded	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...4	0.5...4
Tightening torque range (clamping screw)	Nm	0.5...0.8 (M 3)	0.5...0.8 (M 3)
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5	10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²	0.5...1.5	0.5...1.5 / 0.5...1.5
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note			

Ordering data

		WTR 4/ZZ StB	WTR 4/ZR
Version		Type / Qty. / Order No.	Type / Qty. / Order No.
dark beige Wemid		WTR 4/ZZ STB / 50 / 1905100000	WTR 4/ZR / 50 / 1905080000
blue Wemid			
without disconnector, dark beige Wemid			
Note			

Accessories

		WTR 4/ZZ StB			WTR 4/ZR		
Cross-connection, pluggable		Type	Current [A]	Qty. / Order No.	Type	Current [A]	Qty. / Order No.
2-pole		ZQV 4N/2 GE	32	60 / 1758250000	ZQV 4N/2 GE	32	60 / 1758250000
3-pole		ZQV 4N/3 GE	32	60 / 1762630000	ZQV 4N/3 GE	32	60 / 1762630000
4-pole		ZQV 4N/4 GE	32	60 / 1762620000	ZQV 4N/4 GE	32	60 / 1762620000
10-pole		ZQV 4N/10 GE	32	20 / 1758260000	ZQV 4N/10 GE	32	20 / 1758260000
End plate / Partition plate			width [mm]			width [mm]	
End plate	dark beige Wemid	WAP WDU/WTR4/ZZ	1.5	50 / 1905150000	WAP WDU/WTR4/ZR	1.5	50 / 1905070000
Partition plate	dark beige Wemid						
End bracket			width [mm]			width [mm]	
	dark beige	WEW-35/2	8	100 / 1061200000	WEW-35/2	8	100 / 1061200000
Screwdrivers							
	Standard	SD 0.6x3.5x100		1 / 9008330000	SD 0.6x3.5x100		1 / 9008330000
Test plug							
	Plug dia. 2.3 mm	PS 2.3 RT		20 / 0180400000			
Holder for cartridge fuse, 5 x 20mm							
	400 V ac/dc, without LED	SIHA 3/G/20		25 / 7921560000	SIHA 3/G/20		25 / 7921560000
	10-36 V ac/dc, red LED	SIHA 3/G/20/LD 10-36V		25 / 7921560000	SIHA 3/G/20/LD 10-36V		25 / 7921560000
	140-250V ac/dc, red LED	SIHA 3/G/20/LD 140-250V		25 / 7921560000	SIHA 3/G/20/LD 140-250V		25 / 7921560000
Module connector (max. 250 V)							
reversed insertion possible	without fittings	BEST		50 / 1833100000	BEST		50 / 1833100000
	with wire jumper	BEST/DRBR		50 / 1878570000	BEST/DRBR		50 / 1878570000
	with 1N4007 diode	BEST/D		50 / 1878560000	BEST/D		50 / 1878560000
Disconnecting plug							
	yellow Wemid	TNST		50 / 1833090000	TNST		50 / 1833090000
Labelling systems (see large assortment in catalogue 7)	Marking tags	DEK 5 / WS 12/5			DEK 5 / WS 12/5		
For detailed information on other accessories and applications see "Accessories"							

WTR 4/ZR StB — 4 mm²

Supplementary connection, right, with socket

6.1 x 63.5 x 53.5
27 / 6
0.13 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500			
27			
4			
	6 / 3		
	A4 / V-0		

Rated connection
0.5...6 / 0.5...6
0.5...4 / 0.5...4
0.5...0.8 (M3)
10 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
WTR 4/ZR STB	50	1906110000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758260000
	width [mm]		
WAP WDU/WTR4/ZR	1.5	50	1905070000
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921560000
SIHA 3/G20/LD 140-250V		25	7921560000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

DEK 5 / WS 12/5

WDT 1.5/1 — 1.5 mm²

Disconnection lower level

6.4 x 112 x 66.7
10 / 2.5
0.13 ... 2.5

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 22... 14	AWG 26... 14	
	4 / 3		
	A2 / V-0		

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 (M2.5)
10 / 0.6 x 3.5

Type	Qty.	Order No.
WDT 1.5/1 DB/GE	25	1015800000

Type	Current [A]	Qty.	Order No.
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000

WS 8/5

WDT 1.5/2 — 1.5 mm²

Disconnection both levels

6.4 x 112 x 66.7
10 / 2.5
0.13 ... 2.5

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 22... 14	AWG 26... 14	
	4 / 3		
	A2 / V-0		

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 (M2.5)
10 / 0.6 x 3.5

Type	Qty.	Order No.
WDT 1.5/2 DB/GE	25	1015900000

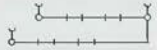
Type	Current [A]	Qty.	Order No.
	width [mm]		
WEW-35/2	8	100	1061200000
SD 0.6X3.5X100		1	9008330000

WS 8/5

Modular disconnect terminals

Modular disconnect terminals enable circuits to be quickly isolated from the supply so that, for example, maintenance or repair work can be carried out.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDT 1.5/3	WDTR 2.5/WE
	1.5 mm²	2.5 mm²
	Disconnection lower level or both levels	
width x length x height with TS 35 x 7.5 mm	6.4 x 112 x 66.7	6.2 x 81 x 69
max. current / max. cond. cross-section A/mm²	10 / 2.5	23 / 4
max. clamping range mm²	0.13 ... 2.5	0.05 ... 4
		

Technical data

	WDT 1.5/3	WDTR 2.5/WE
Rated data	IEC 60947-7-1 / VDE 0100-537	IEC 60947-7-1 / VDE 0100-537
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, feed-through terminal V	250 / 300 / 300	400 / 300 / 300
Rated current A	10 / 10 / 10	10 / 10 / 10
Rated cross-section mm²	1.5 / AWG 22... 14 / AWG 26... 14	2.5 / AWG 30... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A2 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²	0.5...2.5 / 1.5...2.5	0.5...4 / 1.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...2.5 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)	0.5...0.6 (M 3)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	8 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²		0.5...1.5
Flexible / Flexible with wire-end ferrule mm²		0.5...1.5 / 0.5...1.5
Note	WDT 1.5/3 BL/HB order No. 1016160000 flammability rating V2	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WDT 1.5/3 DB/GE	25	1016000000	WDTR 2.5/WE	25	9528090000
blue Wemid	WDT 1.5/3 BL/HB	25	1016160000	WDTR 2.5/WE BL	25	9528100000
without disconnector, dark beige Wemid						
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole								
3-pole								
4-pole								
10-pole								
End plate / Partition plate		width [mm]				width [mm]		
End plate dark beige Wemid								
Partition plate dark beige Wemid								
End bracket		width [mm]				width [mm]		
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers								
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Test plug								
Plug dia. 2.3 mm								
Holder for cartridge fuse, 5 x 20mm								
400 V ac/dc, without LED								
10-36 V ac/dc, red LED								
140-250V ac/dc, red LED								
Module connector (max. 250 V)								
reversed insertion possible without fittings								
with wire jumper								
with 1N4007 diode								
Disconnecting plug								
yellow Wemid								
Labelling systems (see large assortment in catalogue 7)								
Marking tags	WS 8/5				WS 12/6			
For detailed information on other accessories and applications see "Accessories"					External cross-connection is possible with WQB 15/50, see chapter Accessories.			

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WTR 2.5/SI	WTR 4/SI
	2.5 mm²	4 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 80.5	6.1 x 60 x 80.5
max. current / max. cond. cross-section A/mm²	6.3 / 4	6.3 / 6
max. clamping range mm²	0.05 ... 4	0.33 ... 6

Technical data

Rated data		IEC 60947-7-3 / VDE 0611-6				IEC 60947-7-3 / VDE 0611-6			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	400	300	300		400	300	300	
Rated current	A	6.3	6.3	6.3		6.3	6.3	6.3	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 26... 12		4	AWG 22... 10	AWG 22... 10	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0				A4 / V-0			
Approvals									
Clamped conductors (H05V / H07V)		**Rated connection**				**Rated connection**			
Solid / stranded	mm²	0.5...4 / 1.5...4				0.5...6 / 1.5...6			
Flexible / Flexible with wire-end ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...4			
Tightening torque range (clamping screw)	Nm	0.4...0.8 (M 2.5)				0.5...1.0 (M 3)			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				13 / 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²	0.5...1.5				0.5...2.5			
Flexible / Flexible with wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)				The rated current of the terminal is determined by the max. power loss of 1.5 W at the cartridge fuse.			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	WTR 2.5/SI	25	1763940000	WTR 4 SI	25	7910240000
	10-36 V ac/dc, with LED	WTR 2.5/SI LD 36V	25	1763950000	WTR 4/SI LD 36V	25	7914370000
	30-70V ac/dc, with LED	WTR 2.5/SI LD 70V	25	1763960000	WTR 4/SI LD 70V	25	7914380000
	60-150 V ac/dc, with LED	WTR 2.5/SI LD 150V	25	1763970000	WTR 4/SI LD 150V	25	7914390000
	140-250V ac/dc, with LED	WTR 2.5/SI LD 250V	25	1763980000	WTR 4/SI LD 250V	25	7914400000
Note		UL/CSA specified for 400 V cartridge fuse, otherwise the specified voltage range also applies for UL/CSA			UL/CSA specified for 400 V cartridge fuse, otherwise the specified voltage range also applies for UL/CSA		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole					ZQV 4N/2 GE	32 A	60	1758250000
	3-pole					ZQV 4N/3 GE	32 A	60	1762630000
	4-pole					ZQV 4N/4 GE	32 A	60	1762620000
	10-pole					ZQV 4N/10 GE	32 A	20	1758260000
End plate / Partition plate (after last terminal)			width [mm]				width [mm]		
	End plate, Wemid	WAP 2.5-10	1.5	50	1050000000	WAP 2.5-10	1.5	50	1050000000
	Partition plate, Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
Screwdrivers									
	with cutting device "swifty set"								
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Cartridge fuse, 5 x 20mm (IEC 60127-2)									
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	0430500000	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A (at 250V / 50Hz / cos j = 0.7)	0.5 A quick-blow	G 20/0.5A/F		10	0430600000	G 20/0.5A/F		10	0430600000
	1 A quick-blow	G 20/1A/F		10	0430700000	G 20/1A/F		10	0430700000
	2 A quick-blow	G 20/2A/F		10	0430900000	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse									
G25 (DIN 41 576 / 250V)	0.5 A medium time-lag / 2 A								
Rated voltage 250 V	1 A medium time-lag / 3 A								
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow / 5A								
Rated voltage 440 V	4 A quick-blow /10 A								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 12/5				WS 12/6			
For detailed information on other accessories and applications see "Accessories"		Cross-connection options for WTR 2.5, see section W-series accessories.							

Fuse terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WSI 4/2	WSI 4
	4 mm²	4 mm²
width x length x height with TS 35 x 7.5 mm	9.1 x 81.6 x 54	8 x 50.7 x 39.4
max. current / max. cond. cross-section A/mm²	15 / 4	15 / 4
max. clamping range mm²	0.5 ... 4	0.5 ... 4

Technical data

	WSI 4/2	WSI 4
Rated data	IEC 60947-7-3 / VDE 0100-537	IEC 60947-7-3 / VDE 0100-537
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage, adjacent terminal V	500 / 300 / 300	500 / 300 / 300
Rated current A	15 / 15 / 15	12 / 15 / 15
Rated cross-section mm²	4 / AWG 22... 10 / AWG 22... 10	4 / AWG 22... 12 / AWG 22... 12
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²	0.5...6 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with wire-end ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque range (clamping screw) Nm	0.5...0.6 (M 3)	0.5...0.6 (M 3)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	8 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with wire-end ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note	width x length x height with TS 32 = 9.1 x 81.6 x 58.5 mm	

Ordering data

Version	Type	Qty.	Order No.
WSI 4/2			
dark beige Wemid 400 V ac/dc, without LED	WSI 4/2	25	1830430000
10-36 V ac/dc, with LED	WSI 4/2/LD 10-36V AC/DC	25	1830410000
30-70V ac/dc, with LED	WSI 4/2/LD 30-70V AC/DC	25	1830440000
60-150 V ac/dc, with LED	WSI 4/2/LD 60-150V AC/DC	25	1830420000
140-250V ac/dc, with LED	WSI 4/2/LD 140-250V AC/DC	25	1830390000
Note			

Version	Type	Qty.	Order No.
WSI 4			
dark beige Wemid	WSI 4	50	1836580000
	WSI 4/LD 10-36V AC/DC	50	1836590000
	WSI 4/LD 30-70V AC/DC	50	1836560000
	WSI 4/LD 60-150V AC/DC	50	1836570000
	WSI 4/LD 140-250V AC/DC	50	1836550000

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
End plate / Partition plate (after last terminal)		width [mm]		
End plate, Wemid	WAP WSI4/2		50	1830450000
Partition plate, Wemid				
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006030000
Standard	SD 0.6x3.5x100		1	9008330000
Cartridge fuse, 5 x 20mm (IEC 60127-2)				
Rated voltage 250 V 0.25 A quick-blow				
Rated breaking capacity 1500 A 0.5 A quick-blow				
(at 250 V / 50 Hz / cos j = 0.7) 1 A quick-blow				
2 A quick-blow				
G25 with indicator / imperial fuse				
G25 (DIN 41 576 / 250 V) 0.5 A medium time-lag / 2 A	GZ 2.0A		10	0294500000
Rated voltage 250 V 1 A medium time-lag / 3 A	GZ 3.0A		10	0295700000
Imperial fuse, 1/4 x 1 1/4 2 A quick-blow / 5A	GZ 5.0A		10	0294600000
Rated voltage 440 V 4 A quick-blow /10 A	GZ 10.0A		10	0293900000
Labelling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 12/6			
For detailed information on other accessories and applications see "Accessories"	Dummy cartridge fuse order No. 1582770000			

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
End plate / Partition plate (after last terminal)		width [mm]		
End plate, Wemid				
Partition plate, Wemid				
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006030000
Standard	SD 0.6x3.5x100		1	9008330000
Cartridge fuse, 5 x 20mm (IEC 60127-2)				
Rated voltage 250 V 0.25 A quick-blow	G 20/0.25A/F		10	0430500000
Rated breaking capacity 1500 A 0.5 A quick-blow	G 20/0.5A/F		10	0430600000
(at 250 V / 50 Hz / cos j = 0.7) 1 A quick-blow	G 20/1A/F		10	0430700000
2 A quick-blow	G 20/2A/F		10	0430900000
G25 with indicator / imperial fuse				
G25 (DIN 41 576 / 250 V) 0.5 A medium time-lag / 2 A				
Rated voltage 250 V 1 A medium time-lag / 3 A				
Imperial fuse, 1/4 x 1 1/4 2 A quick-blow / 5A				
Rated voltage 440 V 4 A quick-blow /10 A				
Labelling systems (see large assortment in catalogue 7)				
Marking tags	DEK 5 / WS 12/6			

KDKS 1/35 DB — 4 mm²

Metric fuses 5 x 20 mm

8 x 73.5 x 55.6
6.3 / 4
0.33 ... 4

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
500	300		
6.3	10		
4	AWG 22... 12		
	6 / 3		
	A3 / V-0		

Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.6...0.8 (M 3)
8 / 0.6 x 3.5

0.5...1.5
0.5...1.5 / 0.5...1.5

Note: max. conductor size = 2.5 mm² when using the cross-connection

Type	Qty.	Order No.
KDKS 1/35 DB	50	9532440000

Max. power loss of 1.6 W at the fuse cartridge limits the rated current

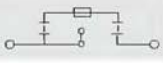
Type	Current [A]	Qty.	Order No.
	width [mm]		
AP KDKS1 1.5 DB	1.5	20	9532470000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000

DEK 8

WSI 6 — 6 mm²

Metric fuses

7.9 x 60 x 62
6.3 / 10
0.5 ... 10



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
500	300	300	
6.3	6.3	6.3	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection

0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 (M 3.5)
12 / 4.0 x 0.8

0.5...2.5
0.5...2.5 / 0.5...2.5

Cartridge fuses or contact sleeves have to be inserted centrally. Version with contact sleeve, order No. 1028200000 (50 pcs/11 A)

Type	Qty.	Order No.
WSI 6	50	1011000000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Type	Current [A]	Qty.	Order No.
QL 2 SAK6N	57 A	50	0194300000
QL 3 SAK6N	57 A	50	0194400000
QL 4 SAK6N	57 A	50	0194500000
QL 10 SAK6N	32 A	20	0338300000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
SD 0.8x4 0x100		1	9008340000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000
G 25/0.5A/M WS		10	0510300000
G 25/1A/M RT		10	0265800000
G 25/2A/F BL		10	0192700000
G 25/4A/F BR		10	0192800000

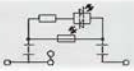
WS 12/6.5

Screw M3 x 5 order No. 1052100000 for QL 2 - QL 10. Spare disconnection lever order No. 1036600000 (5 pcs)

WSI 6 LD — 6 mm²

Metric fuses / bipolar LED

7.9 x 60 x 72
6.3 / 10
0.5 ... 10



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
500	300	300	
6.3	6.3	6.3	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection

0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 (M 3.5)
12 / 4.0 x 0.8

0.5...2.5
0.5...2.5 / 0.5...2.5

Cartridge fuses or contact sleeves have to be inserted centrally. A defective fuse causes a residual current to flow via the LED!

Type	Qty.	Order No.
WSI 6/LD 10-36V DC/AC	50	1011300000
WSI 6/LD 30-70V DC/AC	50	1012200000
WSI 6/LD 60-150V DC/AC	50	1012300000
WSI 6/LD 250AC	50	1012400000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current

Type	Current [A]	Qty.	Order No.
QL 2 SAK6N	57 A	50	0194300000
QL 3 SAK6N	57 A	50	0194400000
QL 4 SAK6N	57 A	50	0194500000
QL 10 SAK6N	32 A	20	0338300000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
SD 0.8x4 0x100		1	9008340000
G 20/0.25A/F		10	0430500000
G 20/0.5A/F		10	0430600000
G 20/1A/F		10	0430700000
G 20/2A/F		10	0430900000
G 25/0.5A/M WS		10	0510300000
G 25/1A/M RT		10	0265800000
G 25/2A/F BL		10	0192700000
G 25/4A/F BR		10	0192800000

WS 12/6.5

Screw M3 x 5 order No. 1052100000 for QL 2 - QL 10. Spare disconnection lever order No. 1036600000 (5 pcs)

Fuse terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

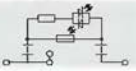
WSI 6/2 — 6 mm²

Imperial fuses

WSI 6/2 with LED — 6 mm²

Imperial fuses / bipolar LED

width x length x height with TS 35 x 7.5	mm	**11.9** x 60 x 67	**11.9** x 60 x 79.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 10**	**6.3 / 10**
max. clamping range	mm²	**0.5 ... 10**	**0.5 ... 10**



Technical data

Rated data		IEC 60947-7-3 / VDE 0611-6			
		IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	500	600	600	
Rated current	A	6.3	6.3	6.3	
Rated cross-section	mm²	6	AWG 20... 8	AWG 20... 8	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A5 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5... 10 / 1.5... 10			
Flexible / Flexible with wire end ferrule	mm²	0.5... 10 / 0.5... 6			
Tightening torque range (clamping screw)	Nm	0.8... 1.6 (M 3.5)			
Stripping length / Blade size	mm / -	12 / 4.0 x 0.8			
2 clamped cables with same cross-section (H05V/H07V)					
Solid / stranded	mm²	0.5... 2.5			
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 2.5			
Note		Cartridge fuses or contact sleeves have to be inserted centrally.			

Rated data		IEC 60947-7-3 / VDE 0611-6			
		IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	500	220	220	
Rated current	A	6.3	6.3	6.3	
Rated cross-section	mm²	6	AWG 20... 8	AWG 20... 8	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		A5 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / stranded	mm²	0.5... 10 / 1.5... 10			
Flexible / Flexible with wire end ferrule	mm²	0.5... 10 / 0.5... 6			
Tightening torque range (clamping screw)	Nm	0.8... 1.6 (M 3.5)			
Stripping length / Blade size	mm / -	12 / 4.0 x 0.8			
2 clamped cables with same cross-section (H05V/H07V)					
Solid / stranded	mm²	0.5... 2.5			
Flexible / Flexible with wire end ferrule	mm²	0.5... 2.5 / 0.5... 2.5			
Note		Cartridge fuses or contact sleeves have to be inserted centrally.			

Ordering data

Version		Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	WSI 6/2 GZ/DEF63	25	**1014000000**
	10-36 V ac/dc, with LED			
	30-70V ac/dc, with LED			
	60-150 V ac/dc, with LED			
	140-250V ac/dc, with LED			
Note		Max. power loss at the fuse cartridge (1.6 W) limits the rated current.		

Version		Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED			
	10-36 V ac/dc, with LED	WSI 6/2/LD 10-35V DC/AC	25	**1014100000**
	30-70V ac/dc, with LED	WSI 6/2/LD 30-70V DC/AC	25	**1014200000**
	60-150 V ac/dc, with LED	WSI 6/2/LD 60-150VDC/AC	25	**1014300000**
	140-250V ac/dc, with LED	WSI 6/2/LD 250AC	25	**1014400000**
Note		Max. power loss at the fuse cartridge (1.6 W) limits the rated current		

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	QL 2 SAK16	76 A	50	**0470700000**
	3-pole	QL 3 SAK16	76 A	50	**0470800000**
	4-pole	QL 4 SAK16	76 A	50	**0470900000**
	10-pole	QL 10 SAK16	76 A	20	**0471000000**
	Cartridge fuses	SS M3 D 128-A 3		50	**0164400000**
	Firing screw	KISC M3X5		100	**1052100000**
End plate / Partition plate (after last terminal)			width [mm]		
	End plate, dark beige Wemid	WAP 2.5-10	1.5	50	**1050000000**
	Partition plate, dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	**1050100000**
Screw cover cap					
Cartridge fuses					
Rated voltage		GZ 2.0A		10	**0294500000**
see chapter		GZ 3.0A		10	**0295700000**
Accessories		GZ 5.0A		10	**0294600000**
		GZ 10.0A		10	**0293900000**
Gauge pieces					
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Cross-connection, see section W-series accessories			

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	QL 2 SAK16	76 A	50	**0470700000**
	3-pole	QL 3 SAK16	76 A	50	**0470800000**
	4-pole	QL 4 SAK16	76 A	50	**0470900000**
	10-pole	QL 10 SAK16	76 A	20	**0471000000**
	Cartridge fuses	SS M3 D 128-A 3		50	**0164400000**
	Firing screw	KISC M3X5		100	**1052100000**
End plate / Partition plate (after last terminal)			width [mm]		
	End plate, dark beige Wemid	WAP 2.5-10	1.5	50	**1050000000**
	Partition plate, dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	**1050100000**
Screw cover cap					
Cartridge fuses					
Rated voltage		GZ 2.0A		10	**0294500000**
see chapter		GZ 3.0A		10	**0295700000**
Accessories		GZ 5.0A		10	**0294600000**
		GZ 10.0A		10	**0293900000**
Gauge pieces					
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Cross-connection, see section W-series accessories			

SAKS 2/35 DB — 10 mm²

D-fuses E16

27.6 x 80 x 75
10 / 16
0.33 ... 16

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
500		600	
10		25	
10		AWG 22... 8	
	6 / 3		
	B6 / 5VA		

Rated connection

0.5... 16 / 0.5... 10
0.5... 10 / 0.5... 10
1.2... 2.4 (M 4)
12 / 1.0 x 5.5

Connections for stranded conductors from 10 mm² require a tightening torque of 2 Nm.

Type	Qty.	Order No.
SAKS 2/35 DB	20	1368700000

Material thermosetting plastic KRG

Type	Current [A]	Qty.	Order No.
QL 2 SAKS2	47 A	20	0207800000
QL 3 SAKS2	36 A	20	0207900000
QL 4 SAKS2	36 A	20	0208000000
QL 10 SAKS2	36 A	20	0338900000
SS M4 D 128-A 4		100	0136400000
BFSC M4X9T		100	0103300000
	width [mm]		
WTW EN	3	20	1058300000
SK E16/SAKS2		25	0284110000
E 16/10A RT TNDZ		25	0208500000
E 16/16A GR TNDZ		25	0208600000
E 16/20A BL TNDZ		25	0208700000
E 16/25A GE TNDZ		25	0208800000
P 16/10 RT SAKS2		100	0208900000
P 16/16 GR SAKS2		100	0209000000
P 16/20 BL SAKS2		100	0209100000

DEK 5

Spare screw cap, order No. 0284110000 (20 pcs)

SAKS 4/35 DB — 10 mm²

D 01 fuses E14

24 x 75 x 66
16 / 16
0.33 ... 16

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
400	600	600	
16	30	30	
10	AWG 22... 8	AWG 22... 8	
	6 / 3		
	B6 / 5VA		

Rated connection

0.5... 16 / 0.5... 10
0.5... 10 / 0.5... 10
1.2... 2.4 (M 4)
14 / 1.0 x 5.5

400V also available with Neozed shipbuilding fuse. Connections for stranded conductors from 10 mm² require a tightening torque of 1.6 Nm

Type	Qty.	Order No.
SAKS 4/35 DB	20	0501800000

Material thermosetting plastic KRG

Type	Current [A]	Qty.	Order No.
QL 2 SAKS4	47 A	20	0328000000
QL 3 SAKS4	36 A	20	0328100000
QL 4 SAKS4	36 A	20	0328200000
QL 10 SAKS4	36 A	20	0339000000
SS M4 D 128-A 4		100	0136400000
BFSC M4X9T		100	0103300000
	width [mm]		
WTW EN	3	20	1058300000
SK E14 SAKS4		20	0339410000
E 14/2A RS		10	0137400000
E 14/4A BR		10	0137500000
E 14/6A GN		10	0328300000
E 14/10A RT		10	0328400000
P 14/2 D01 RS SAKS4		50	0138000000
P 14/4 D01 BR SAKS4		50	0138100000

DEK 5

Spare screw cap, order No. 0339410000 (20 pcs)

SAKS 5/35 DB — 10 mm²

D 02 fuse E18

28 x 80 x 66
63 / 16
1.5 ... 16

IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 60079-7
400	600	600	
57	40	63	
10	AWG 14... 6	AWG 14... 6	
	6 / 3		
	B7 / 5VA		

Rated connection

1.5... 16 / 1.5... 16
1.5... 16 / 1.5... 16
1.2... 2.4 (M 4)
13 / 1.0 x 5.5

400V also available with Neozed shipbuilding fuse. Tightening torque for stranded conductors ≥ 2 Nm.

Type	Qty.	Order No.
SAKS 5/35 DB	20	0502100000

Material thermosetting plastic KRG

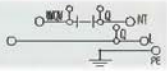
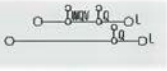
Type	Current [A]	Qty.	Order No.
QL 2 SAKS2	47 A	20	0207800000
QL 3 SAKS2	36 A	20	0207900000
QL 4 SAKS2	36 A	20	0208000000
QL 10 SAKS2	36 A	20	0338900000
SS M4 D 128-A 4		100	0136400000
BFSC M4X9T		100	0103300000
	width [mm]		
WTW EN	3	20	1058300000
SK E18 SAKS5		20	0359310000
E 18/20A BL		10	0361300000
E 18/25A GE		10	0361400000
E 18/35A SW		10	0361500000
E 18/50A WS		10	0361600000
P 18/20 D02 BL SAKS5		50	0361800000
P 18/25 D02 GE SAKS5		50	0361900000
P 18/35 D02 SW SAKS5		50	0362000000
P 18/50 D02 WS SAKS5		50	0362100000

DEK 5

Spare screw cap, order No. 0359310000 (20 pcs)

Distribution terminal with WQV

N-busbars may not be used in certain applications (medical systems). This is where these installation terminals with disconnector in the centre of the terminal can be used.

	WDL 2.5/NT/L/PE	2.5 mm²	WDL 2.5/L/L	2.5 mm²
width x length x height with TS 35 x 7.5 mm	6.1 x 90 x 49		6.1 x 90 x 49	
max. current / max. cond. cross-section A/mm²	32 / 4		32 / 4	
max. clamping range mm²	0.13 ... 4		0.13 ... 4	

Technical data

	WDL 2.5/NT/L/PE				WDL 2.5/L/L			
Rated data	IEC 60947-7-1 (-7-2) / VDE 0611-4				IEC 60947-7-1 / VDE 0611-4			
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300		400	300	300	
Rated current A	24	15	10		24	15	10	
Rated cross-section mm²	2.5	AWG 22... 12	AWG 26... 12		2.5	AWG 22... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / A4 / V-0				A3 / A4 / V-0			
Approvals								
Clamped conductors (H05V / H07V)	Rated connection				Rated connection			
Solid / stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Stripping length / Blade size mm / -	8 / 0.6 x 3.5				8 / 0.6 x 3.5			
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)				0.4...0.6 (M 2.5)			
Note	Further connection refers to clamping point top left (A4) 2 conductors, 1.5 mm², solid, 0.6 Nm tightening torque				Further connection refers to clamping point top left (A4) 2 conductors, 1.5 mm², solid, 0.6 Nm tightening torque			

Ordering data

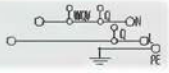
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WDL 2.5/NT/L/PE	50	1029800000	WDL 2.5/L/L	50	1030300000
blue Wemid						
Note	PE connection marked green/yellow			WDL 2.5/N/L order No. 1030000000 (upper connection marked blue)		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	Q 2 WDL2.5S	24	50	1071500000	Q 2 WDL2.5S	24	50	1071500000
3-pole	Q 3 WDL2.5S	24	50	1071600000	Q 3 WDL2.5S	24	50	1071600000
4-pole	Q 4 WDL2.5S	24	50	1071700000	Q 4 WDL2.5S	24	50	1071700000
10-pole	Q 10 WDL2.5S	24	20	1071800000	Q 10 WDL2.5S	24	20	1071800000
20-/24-pole	Q 20 WDL2.5S	24	20	1074200000	Q 20 WDL2.5S	24	20	1071200000
End plate / Partition plate		width [mm]				width [mm]		
dark beige Wemid	WAP WDL2.5	1.5	20	1067800000	WAP WDL2.5	1.5	20	1067800000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		width [mm]				width [mm]		
blue Wemid for vertical installation position	WHP WDL2.5/S BL	1.6	20	1067980000	WHP WDL2.5/S BL	1.6	20	1067980000
End bracket		width [mm]				width [mm]		
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SDI 0,6x3,5x100		1	9008390000	SDI 0,6x3,5x100		1	9008390000
Busbar 10 x 3 (140A) (further types in chapter F) top of busbar to top of TS 35 = 25.5 mm								
Tension clamp for supplying 10 x 3 busbars		width [mm]				width [mm]		
rigid / flexible 0.5 - 6 / 4mm²								
rigid / flexible 6 - 16 / 4mm²								
flexible 16 - 35mm²								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 8/5				WS 8/5			
For detailed information on other accessories and applications see "Accessories"								

WDL 2.5/N/L/PE — 2.5 mm²

6.1 x 90 x 49
32 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
4 / 3			
A3 / A4 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)

Further connection refers to clamping point top left (A4)
2 conductors, 1.5 mm², solid, 0.5 Nm tightening torque

Type	Qty.	Order No.
WDL 2.5/N/L/PE	50	1029900000

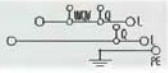
PE connection marked green/yellow

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
Q 20 WDL 2.5S	24	20	1074200000
	width [mm]		
WAP WDL 2.5	1.5	20	1067800000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SDI 0,6x3,5x100		1	9008390000
	width [mm]		

WS 8/5

WDL 2.5/L/L/PE — 2.5 mm²

6.1 x 90 x 49
32 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
4 / 3			
A3 / A4 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)

Further connection refers to clamping point top left (A4)
2 conductors, 1.5 mm², solid, 0.6 Nm tightening torque

Type	Qty.	Order No.
WDL 2.5/L/L/PE	50	1030200000

PE connection marked green/yellow

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
Q 20 WDL 2.5S	24	20	1074200000
	width [mm]		
WAP WDL 2.5	1.5	20	1067800000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SDI 0,6x3,5x100		1	9008390000
	width [mm]		

WS 8/5

WDL 2.5/L — 2.5 mm²

6.1 x 90 x 49
32 / 4
0.13 ... 4

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
6 / 3			
A3 / A4 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)

Further connection refers to clamping point top left (A4)
2 conductors, 1.5 mm², solid, 0.6 Nm tightening torque

Type	Qty.	Order No.
WDL 2.5/L	50	1030400000

WDL 2.5/N order No. 1030100000 (upper connection marked blue)

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
Q 20 WDL 2.5S	24	20	1074200000
	width [mm]		
WAP WDL 2.5	1.5	20	1067800000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SDI 0,6x3,5x100		1	9008390000
	width [mm]		

WS 8/5

Distribution terminals with 10x3 busbar

Space-saving wiring of 3-phase circuits with just two terminals.

	WDL 2.5/S/NT/L/PE	2.5 mm²	WDL 2.5/S/L/L	2.5 mm²
width x length x height with TS 35 x 7.5 mm	6.1 x 84.5 x 49		6.1 x 84.5 x 49	
max. current / max. cond. cross-section A/mm²	32 / 4		32 / 4	
max. clamping range mm²	0.13 ... 4		0.13 ... 4	

Technical data

	WDL 2.5/S/NT/L/PE				WDL 2.5/S/L/L			
Rated data	IEC 60947-7-1 (-7-2) / VDE 0611-4				IEC 60947-7-1 / VDE 0611-4			
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300		400	300	300	
Rated current A	24	15	10		24	15	10	
Rated cross-section mm²	2.5	AWG 22... 12	AWG 26... 12		2.5	AWG 22... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0				A3 / V-0			
Approvals								
Clamped conductors (H05V / H07V)	Rated connection				Rated connection			
Solid / stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Stripping length / Blade size mm / -	8 / 0.6 x 3.5				8 / 0.6 x 3.5			
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)				0.4...0.6 (M 2.5)			
Note	Rated voltage L-PE and L-NT is 250 V. Tightening torque, disconnector 0.4...0.6 Nm							

Ordering data

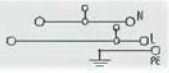
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WDL 2.5/S/NT/L/PE	50	1030600000	WDL 2.5/S/L/L	50	1031200000
blue Wemid						
Note	PE connection marked green/yellow; 3-phase circuit in combination with WDL 2.5/S/L/L			WDL 2.5/S/N/L order No. 1030800000 (upper connection marked blue)		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	Q 2 WDL 2.5/S	24	50	1071500000	Q 2 WDL 2.5/S	24	50	1071500000
3-pole	Q 3 WDL 2.5/S	24	50	1071600000	Q 3 WDL 2.5/S	24	50	1071600000
4-pole	Q 4 WDL 2.5/S	24	50	1071700000	Q 4 WDL 2.5/S	24	50	1071700000
10-pole	Q 10 WDL 2.5/S	24	20	1071800000	Q 10 WDL 2.5/S	24	20	1071800000
20-/24-pole								
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	WAP WDL 2.5/S	1.5	20	1067700000	WAP WDL 2.5/S	1.5	20	1067700000
blue Wemid								
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**				**width [mm]**		
blue Wemid for vertical installation position	WHP WDL 2.5/S BL	1.5	20	1067980000	WHP WDL 2.5/S BL	1.5	20	1067980000
End bracket		**width [mm]**				**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**				**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4	5.6	50	0316500000	ZB 4	5.6	50	0316500000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC	10	50	0316800000	ZB 16 ZKSC	10	50	0316800000
flexible 16 - 35mm²	ZB 35/M6X16	14	20	0296500000	ZB 35/M6X16	14	20	0296500000
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 8/5				WS 8/5			
For detailed information on other accessories and applications see "Accessories"								

WDL 2.5/S/N/L/PE — 2.5 mm²

6.1 x 84.5 x 49
32 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
4 / 3			
A3 / V-0			

Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)
L-PE / L-N 250 V

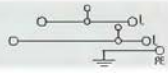
Type	Qty.	Order No.
WDL 2.5/S/N/L/PE	50	1030700000
PE connection marked green/yellow		

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
	width [mm]		
WAP WDL 2.5/S	1.5	20	1067700000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000

WS 8/5

WDL 2.5/S/L/L/PE — 2.5 mm²

6.1 x 84.5 x 49
32 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
4 / 3			
A3 / V-0			

Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)
L-PE 250 V

Type	Qty.	Order No.
WDL 2.5/S/L/L/PE	50	1031100000
PE connection marked green/yellow		

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
	width [mm]		
WAP WDL 2.5/S	1.5	20	1067700000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000

WS 8/5

WDL 2.5/S/L — 2.5 mm²

6.1 x 84.5 x 49
32 / 4
0.13 ... 4

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
24	15	10	
2.5	AWG 22... 12	AWG 26... 12	
6 / 3			
A3 / V-0			

Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
8 / 0.6 x 3.5
0.4...0.6 (M 2.5)

Type	Qty.	Order No.
WDL 2.5/S/L	50	1031300000
WDL 2.5/S/N order No. 1031300000 (connection marked blue)		

Type	Current [A]	Qty.	Order No.
Q 2 WDL 2.5S	24	50	1071500000
Q 3 WDL 2.5S	24	50	1071600000
Q 4 WDL 2.5S	24	50	1071700000
Q 10 WDL 2.5S	24	20	1071800000
	width [mm]		
WAP WDL 2.5/S	1.5	20	1067700000
	width [mm]		
WHP WDL 2.5/S BL	1.5	20	1067980000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000

WS 8/5

N-conductor disconnect terminals

These special modular terminals are specified for insulation measurements without disconnecting the conductor according to VDE standards for places of public assembly.

	WNT 2.5	2.5 mm²	WNT 4	4 mm²
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 47		6.1 x 60 x 47	
max. current / max. cond. cross-section A/mm²	32 / 4		41 / 6	
max. clamping range mm²	0.13 ... 4		0.13 ... 6	

Technical data

IEC 60947-7-1 / VDE 0611-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	600	600	
Rated current A	24	25	20	
Rated cross-section mm²	2.5	AWG 22... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				
Clamped conductors (H05V / H07V)				
Solid / stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5			
Stripping length / Blade size mm / -	10 / 0.6 x 3.5			
Tightening torque range (clamping screw) Nm	0.4...0.6 (M 2.5)			
Note	Tightening torque N-disconnector 0.4...0.6 Nm			

IEC 60947-7-1 / VDE 0611-4

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	600	600	
Rated current A	32	35	35	
Rated cross-section mm²	4	AWG 22... 10	AWG 26... 10	
Rated impulse withstand voltage / Pollution severity kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A4 / V-0		
Approvals				
Clamped conductors (H05V / H07V)				
Solid / stranded mm²	0.5...6 / 1.5...6			
Flexible / Flexible with wire end ferrule mm²	0.5...6 / 0.5...4			
Stripping length / Blade size mm / -	10 / 0.6 x 3.5			
Tightening torque range (clamping screw) Nm	0.5...1.0 (M 3)			
Note	Tightening torque, N-disconnector 0.4...0.6 Nm			

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WNT 2.5 10X3 BE	100	1010600000
blue Wemid	WNT 2.5 10X3	100	1010680000
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

Version	Type	Qty.	Order No.
dark beige Wemid	WNT 4 10X3 BE	100	1010700000
blue Wemid	WNT 4 10X3	100	1010780000

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	WHP 2.5-35/N/10x3 BL	2	20	1050280000
for vertical installation position				
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4	5.6	50	0316500000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC	10	50	0316800000
flexible 16 - 35mm²	ZB 35/M6X16	14	20	0296500000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection	Type	Current [A]	Qty.	Order No.
2-pole				
3-pole				
4-pole				
10-pole				
20-/24-pole				
End plate / Partition plate		**width [mm]**		
dark beige Wemid	WAP 2.5-10	1.5	50	1050000000
blue Wemid	WAP 2.5-10 BL	1.5	50	1050080000
Mounting plate for 10 x 3 (required every 200 mm)		**width [mm]**		
blue Wemid	WHP 2.5-35/N/10x3 BL	2	20	1050280000
for vertical installation position				
End bracket		**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	9006060000
Standard	SD 0.6x3.5x100		1	9008380000
Busbar 10 x 3 (140A) (further types in chapter F)				
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars		**width [mm]**		
rigid / flexible 0.5 - 6 / 4mm²	ZB 4	5.6	50	0316500000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC	10	50	0316800000
flexible 16 - 35mm²	ZB 35/M6X16	14	20	0296500000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"				

WNT 6 — 6 mm²

7.9 x 60 x 47
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	600	600	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
6 / 3			
A5 / V-0			

Rated connection

0.5... 10 / 1.5... 10
0.5... 10 / 0.5... 6
12 / 4.0 x 0.8
0.8... 1.2 (M 3.5)

Tightening torque, N-disconnector 0.8 ..1.6 Nm

Type	Qty.	Order No.
WNT 6 10X3 BE	50	1010800000
WNT 6 10X3	50	1010880000

Type	Current [A]	Qty.	Order No.
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
	width [mm]		
WHP 2.5-35N/10X3 BL	2	20	1050280000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000
WS 12/5			

WNT 10 — 10 mm²

9.9 x 60 x 47
76 / 16
1.31 ... 16

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	600	600	
57	60	65	
10	AWG 16... 6	AWG 16... 6	
6 / 3			
B6 / V-0			

Rated connection

1.5... 16 / 1.5... 16
1.5... 16 / 1.5... 16
12 / 1.0 x 5.5
1.2... 2.0 (M 4)

Tightening torque, N-disconnector 0.8 ..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

Type	Current [A]	Qty.	Order No.
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
	width [mm]		
WHP 2.5-35N/10X3 BL	2	20	1050280000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000
WS 12/5			

WNT 16N — 16 mm²

12 x 60 x 47
101 / 25
1.5 ... 25

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 60079-7
400	300	300	
76	65	65	
16	AWG 14... 6	AWG 14... 6	
6 / 3			
B7 / V-0			

Rated connection

1.5... 16 / 1.5... 25
1.5... 16 / 1.5... 16
12 / 1.0 x 5.5
1.2... 2.2 (M 4)

Tightening torque, N-disconnector 0.8 ..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 16N 10X3	50	1019000000

Type	Current [A]	Qty.	Order No.
	width [mm]		
	width [mm]		
WHP 2.5-35N/10X3 BL	2	20	1050280000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 1.0X5.5X150		1	9008350000
SSCH 10X3X1000 CU/SN		1	0348900000
	width [mm]		
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000
WS 12/6,5			

N-conductor disconnect terminals

These special modular terminals are specified for insulation measurements without disconnecting the conductor according to VDE standards for places of public assembly.

	WNT 35N	WNT 70N
	35 mm²	70 mm²
	Compact design	Compact design
width x length x height with TS 35 x 7.5 mm	16 x 66 x 51	20.5 x 75 x 86
max. current / max. cond. cross-section A/mm²	150 / 50	207 / 95
max. clamping range mm²	2.5 ... 50	10 ... 95

Technical data

	WNT 35N	WNT 70N
	IEC 60947-7-1 / VDE 0611-4	IEC 60947-7-1 / VDE 0611-4
Rated data	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	400	400 / 600
Rated current A	125	192 / 175
Rated cross-section mm²	35	70 / AWG 6... 2/0
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	B8 / V-0	B11 / V-0
Approvals		
Clamped conductors (H05V / H07V)	Rated connection	Rated connection
Solid / stranded mm²	2.5... 16 / 2.5... 50	10... 16 / 10... 95
Flexible / Flexible with wire end ferrule mm²	2.5... 35 / 2.5... 35	10... 70 / 10... 70
Stripping length / Blade size mm / -	18 / 6.5 x 1.2	22 / S6 (DIN 6911)
Tightening torque range (clamping screw) Nm	4.0... 5.0 (M 6)	6.0... 12 (M 8)
Note	Tightening torque, N-disconnector 1.2...2.4 Nm	Tightening torque, N-disconnector 2.5...5.0 Nm

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Weimid						
blue Weimid	WNT 35N 10X3	20	1718550000	WNT 70N/35	10	9512210000
Note						

Accessories

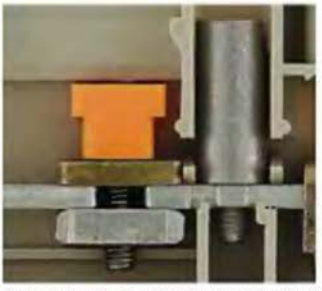
	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection								
2-pole								
3-pole								
4-pole								
10-pole								
20-/24-pole								
End plate / Partition plate	width [mm]				width [mm]			
dark beige Weimid								
blue Weimid								
Mounting plate for 10 x 3 (required every 200 mm)	width [mm]				width [mm]			
blue Weimid	WHP 2.5-35N/10X3 BL	2	20	1050280000	WHP 2.5-35N/10X3 BL	2	20	1050280000
for vertical installation position								
End bracket	width [mm]				width [mm]			
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
Standard	SD 1.0x5.5x150		1	9008350000	SD 1.0x5.5x150		1	9008350000
Busbar 10 x 3 (140A) (further types in chapter F)								
top of busbar to top of TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Tension clamp for supplying 10 x 3 busbars	width [mm]				width [mm]			
rigid / flexible 0.5 - 6 / 4mm²	ZB 4	5.6	50	0316500000	ZB 4	5.6	50	0316500000
rigid / flexible 6 - 16 / 4mm²	ZB 16 ZKSC	10	50	0316800000	ZB 16 ZKSC	10	50	0316800000
flexible 16 - 35mm²	ZB 35/M6X16	14	20	0296500000	ZB 35/M6X16	14	20	0296500000
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 12/6,5				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	For PEN bridges see section W-series accessories				For PEN-bridges see section W-series accessories			

WTL 6/1, WTD 6/1, WTQ 6/1

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers "run hot" and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

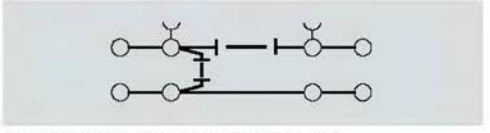
Many circuit operations can be solved easily and cost-effectively with the WTL 6/1 disconnect test terminal, the WTD 6/1 feed-through terminal and the WTQ 6/1 cross-connect/disconnect terminal.

The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.

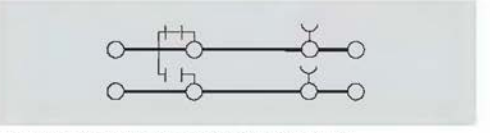


Sliding disconnector is easy to use (WTL 6/1)

Safe disconnection of cross-connection (WTQ 6/1)



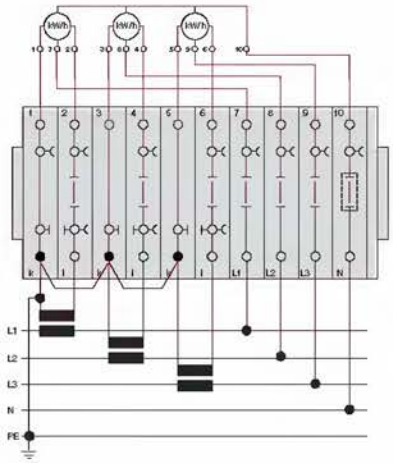
One short-circuit slider per terminal (WTL 6/1)



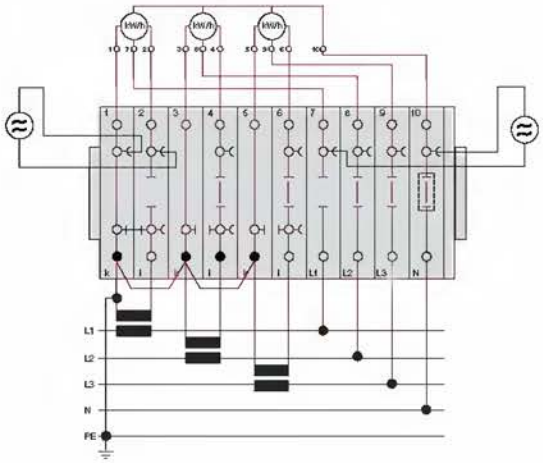
One short-circuit jumper per terminal (WTQ 6/1)

Disconnect test terminal block for metering with WTL 6/1

Operating state
(with external distribution of contact point)



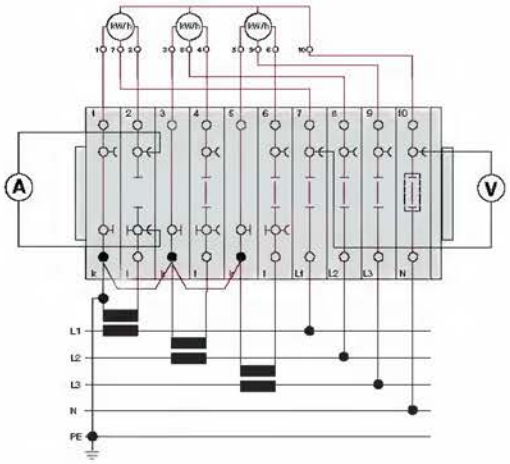
Meter test with external supply for L1



Operation based on operating state:

1. Close short-circuit sliders of terminals 1 and 2.
2. Open sliding disconnectors of terminals 2 and 7.
3. Insert external supply into sockets of terminals 1, 2 and 7, 10.

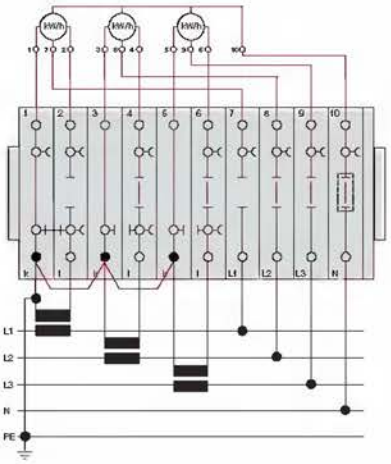
Calibration for L1



Operation based on operating state:

1. Insert ammeter into sockets of terminal 2.
2. Open sliding disconnector of terminal 2.
3. Insert voltmeter into sockets of terminals 7 and 10.

Replacing the meter for L1



Operation based on operating state:

1. Close short-circuit sliders of terminals 1 and 2.
2. Open sliding disconnectors of terminals 2 and 7.
3. Disconnect meter at terminals 1, 2 and 7.

WTL 6/2, WTL 6/3

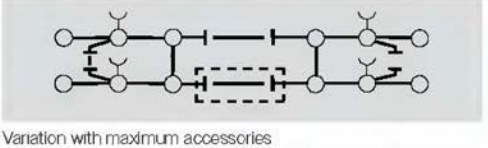
All the circuits occurring in practice can be realised with the WTL 6/2 and WTL 6/3 terminals plus a few accessories.

The short-circuit sliders are finger-touch safe – no risk of electric shock. Two cross-connections, e.g. for internal distribution of the contact point, can also be incorporated. The standard WQV 6/... cross-connections of the W-Series can be used here, which also permit terminals to be bypassed.

Thanks to the specially designed test sockets, both conventional test plugs and conventional safety test plugs can be used with the WTL 6/3.

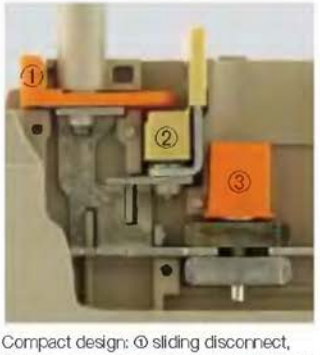
Another advantage of the WTL 6/3 is that one screwdriver fits all screws and also all sockets.

Optimised accessories for all circuit variations



Variation with maximum accessories

Safe test point to German standard

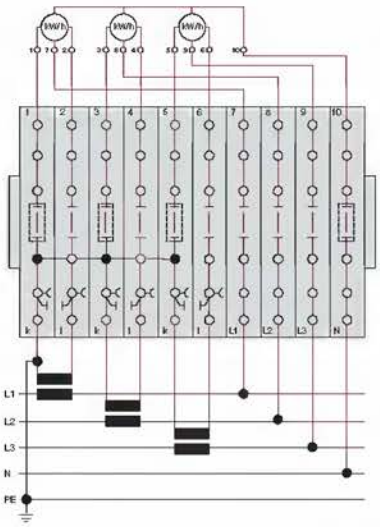


Compact design: ① sliding disconnect, ② cross-connection, ③ short-circuit slider

2 DEK markers per connection point

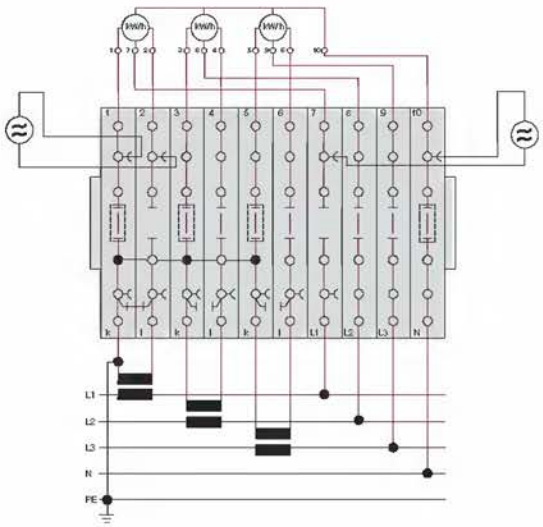
Disconnect test terminal block for metering with WTL 6/3

Operating state
(with internal distribution of contact point)



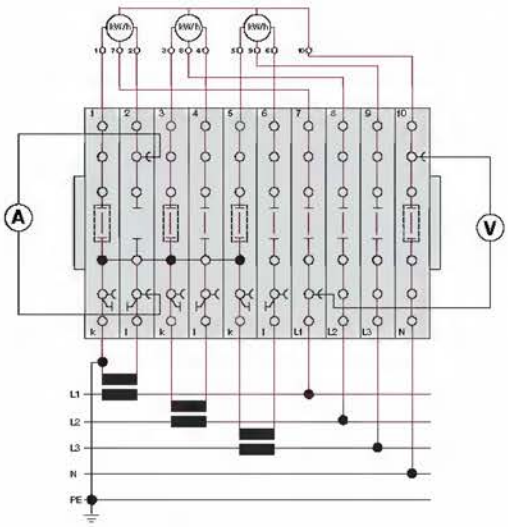
The WTL 6/3 disconnect test terminal provides the same functionality as the WTL 6/2. Thanks to the specially designed test sockets, both conventional test plugs and conventional safety test plugs can be used.

Meter test with external supply for L1



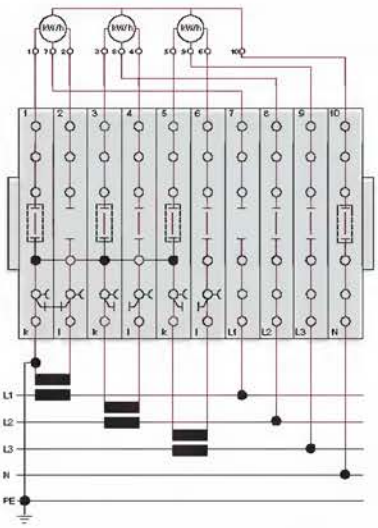
Operation based on operating state:
1. Close short-circuit sliders of terminals 1 and 2.
2. Open sliding disconnectors of terminals 2 and 7.
3. Insert external supply into sockets of terminals 1, 2 and 7, 10.

Calibration for L1



Operation based on operating state:
1. Insert ammeter into sockets of terminal 2.
2. Open sliding disconnect of terminal 2.
3. Insert voltmeter into sockets of terminals 7 and 10.

Replacing the meter for L1

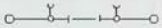


Operation based on operating state:
1. Close short-circuit sliders of terminals 1 and 2.
2. Open sliding disconnectors of terminals 2 and 7.
3. Disconnect meter at terminals 1, 2 and 7.

Disconnect test terminals

Different current transformer circuits, e.g. for replacing measuring instruments or electricity meters, can be realised.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WTL 4	4 mm²	WTL 4/2	4 mm²
			Enforced short-circuit function	
width x length x height with TS 35 x 7.5 mm	**6.1** x 61.3 x 40.7		**6** x 56.5 x 50	
max. current / max. cond. cross-section A/mm²	**41 / 6**		**11 / 6**	
max. clamping range mm²	**0.13 ... 6**		**0.13 ... 6**	

Technical data

	IEC 60947-7-1 / VDE 0100-537				IEC 60947-7-1			
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage V	500	300	300		500			
Rated current A	32	28	28		10			
Rated cross-section mm²	4	AWG 26... 10	AWG 26... 10		4			
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0				A4 / V-0			
Approvals								
Clamped conductors (H05V / H07V)	**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded mm²	0.5...6 / 1.5...4				0.5...6 / 1.5...6			
Flexible / flexible with wire end ferrule mm²	0.5...4 / 0.5...4				0.5...6 / 0.5...4			
Tightening torque range (clamping screw) Nm	0.4...0.7 (M 2.5)				0.5...0.8 (M 3)			
Tightening torque range (disconnector) Nm	0.4...0.7							
Stripping length / Blade size mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note	Usage as disconnect terminal with 400 V.				2 conductors can be connected, similar to WDU 4N			

Ordering data

Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige Wemid	with socket	WTL 4/STB	50	1754970000	WTL 4/2 STB	50	1831650000
	without socket	WTL 4	50	1754960000			
Note							

Accessories

Cross-connection (screwed)		**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
(WQV - insulated / QL)	2-pole	WQV 4/2	41	50	1051960000				
	3-pole	WQV 4/3	32	50	1054560000				
	4-pole	WQV 4/4	32	50	1054660000				
	10-pole	WQV 4/10	41	20	1052060000				
	Connecting sleeve for cross-connector QL								
	Fixing screw for cross-connector QL								
End plate / Partition plate			**width [mm]**				**width [mm]**		
dark beige Wemid	End plate	ZAP/TW 1	2	50	1608740000				
	Partition plate								
Cross-connection slider									
	2-pole	QVS 2/4 SAKT4		20	1319260000				
	3-pole								
	4-pole								
	Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	0309700000				
	Fixing screw for QVS	BFSC M3X22 SAKT4		50	1319900000				
Testing / Checking									
	Test plug	PS 2.3 RT		20	0180400000				
	Socket, yellow								
	Socket, green								
	Socket, violet								
	Socket, blue								
Miscellaneous accessories									
	Lockout device	SSP 4 SAKT4		20	1319360000				
	Shorting plug, 2-pole								
without insulating cap	Socket	STB 8.5/5/2.3/M3 SAK2.5		50	0230600000				
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 12/6				WS 12/6			
For detailed information on other accessories and applications see "Accessories"						WTA 8 series test adapter, external cross-connection WQV, end bracket and shield bus LS 2.8, see Accessories			

WTL 6/1 — 6 mm²

Longitudinal - disconnector

7.9 x 65 x 48.5
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection	further connection
0.5... 10 / 1.5... 10	
0.5... 10 / 0.5... 6	
0.8... 1.6 (M3.5)	
0.5... 0.8	
12 / 4.0 x 0.8	

Usage as 500 V disconnect terminal

Type	Qty.	Order No.
WTL 6/1/STB	50	1016900000
WTL 6/1	50	1016700000

TS32 version on request

Type	Current [A]	Qty.	Order No.
QL 2 SAK6N	57	50	0194300000
QL 3 SAK6N	57	50	0194400000
QL 4 SAK6N	57	50	0194500000
QL 10 SAK6N	32	20	0338300000
VH 12/4.9/3.3 SAK6N		100	0249000000
KISC M3X20 SAK10 CU5		100	0377100000
	width [mm]		
WAP WTL6/1	1.5	20	1068300000
WTW WTL6/1 DB	1.5	20	1068400000
QVS 2 SAKT1+2		20	0307300000
QVS 3 SAKT1+2		20	0329300000
QVS 4 SAKT1+2		20	0307400000
VH 19/6/4.2 SAKT1		50	0318000000
BS 25 IH/GE SAKT1		50	0335700000
PS 4 FSTB 4		20	0299600000
STB 35 IH/GE		50	0389000000
STB 35 IH/GN		50	0388900000
STB 35 IH/VI		50	0389100000
STB 35 IH/BL		50	0388700000
SSP 3 SAKT1		100	0531760000
STB 14/D6/4/M3 SAK10		50	0169900000
WS 12/6,5			

WTD 6/1 — 6 mm²

Continuity

7.9 x 65 x 48.5
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection	further connection
0.5... 10 / 1.5... 10	
0.5... 10 / 0.5... 6	
0.8... 1.6 (M3.5)	
12 / 4.0 x 0.8	

Type	Qty.	Order No.
WTD 6/1	50	1017100000

TS32 version on request

Type	Current [A]	Qty.	Order No.
QL 2 SAK6N	57	50	0194300000
QL 3 SAK6N	57	50	0194400000
QL 4 SAK6N	57	50	0194500000
QL 10 SAK6N	32	20	0338300000
VH 12/4.9/3.3 SAK6N		100	0249000000
KISC M3X20 SAK10 CU5		100	0377100000
	width [mm]		
WAP WTL6/1	1.5	20	1068300000
WTW WTL6/1 DB	1.5	20	1068400000
QVS 2 SAKT1+2		20	0307300000
QVS 3 SAKT1+2		20	0329300000
QVS 4 SAKT1+2		20	0307400000
VH 19/6/4.2 SAKT1		50	0318000000
BS 25 IH/GE SAKT1		50	0335700000
PS 4 FSTB 4		20	0299600000
STB 35 IH/GE		50	0389000000
STB 35 IH/GN		50	0388900000
STB 35 IH/VI		50	0389100000
STB 35 IH/BL		50	0388700000
STB 14/D6/4/M3 SAK10		50	0169900000
WS 12/6,5			

WTQ 6/1 — 6 mm²

Cross-connect/disconnect

7.9 x 65 x 48.5
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection	further connection
0.5... 10 / 1.5... 10	
0.5... 10 / 0.5... 6	
0.8... 1.6 (M3.5)	
0.5... 0.8	
12 / 4.0 x 0.8	

Type	Qty.	Order No.
WTQ 6/1/STB	50	1018100000
WTQ 6/1	50	1017900000

TS32 version on request

Type	Current [A]	Qty.	Order No.
QL 2 SAK6N	57	50	0194300000
QL 3 SAK6N	57	50	0194400000
QL 4 SAK6N	57	50	0194500000
QL 10 SAK6N	32	20	0338300000
VH 12/4.9/3.3 SAK6N		100	0249000000
KISC M3X20 SAK10 CU5		100	0377100000
	width [mm]		
WAP WTL6/1	1.5	20	1068300000
WTW WTL6/1 DB	1.5	20	1068400000
WKB 1/2		50	1604280000
WKB 1/3		50	1604300000
WKB 1/4		50	1604320000
PS 4 FSTB 4		20	0299600000
STB 35 IH/GE		50	0389000000
STB 35 IH/GN		50	0388900000
STB 35 IH/VI		50	0389100000
STB 35 IH/BL		50	0388700000
SSP 3 SAKT1		100	0531760000
STB 14/D6/4/M3 SAK10		50	0169900000
WS 12/6,5			

Disconnect test terminals

Different current transformer circuits, e.g. for replacing measuring instruments or electricity meters, can be realised.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

WTL 6/2 — 6 mm²

Longitudinal - disconnector

WTL 6/3 — 6 mm²

Longitudinal - disconnector

width x length x height with TS 35 x 7.5	mm	8 x 87 x 61.8	7.9 x 87 x 65
max. current / max. cond. cross-section	A/mm²	**57 / 10**	**57 / 10**
max. clamping range	mm²	**0.5 ... 10**	**0.5 ... 10**

Technical data

Rated data						
Rated voltage	V	IEC 60947-7-1 / VDE 0100-537				
Rated current	A	IEC	UL	CSA	EN 60079-7	
Rated cross-section	mm²	500	300	300		
Rated impulse withstand voltage / Pollution severity	kV/-	41	45	45		
Gauge to IEC 60947-1 / UL94 Flammability class		6	AWG 20... 8	AWG 20... 8		
Approvals			6 / 3			
			A5 / V-0			
Clamped conductors (H05V / H07V)						
Solid / stranded	mm²	Rated connection		further connection		
Flexible / Flexible with wire end ferrule	mm²	0.5... 10 / 1.5... 10				
Tightening torque range (clamping screw)	Nm	0.5... 10 / 0.5... 6				
Tightening torque range (disconnector)	Nm	0.8... 1.6 (M 3.5)				
Stripping length / Blade size	mm / -	0.5... 0.8				
Note		12 / 4.0 x 0.8				

Rated data						
Rated voltage	V	IEC 60947-7-1 / VDE 0100-537				
Rated current	A	IEC	UL	CSA	EN 60079-7	
Rated cross-section	mm²	500	300	300		
Rated impulse withstand voltage / Pollution severity	kV/-	41	45	45		
Gauge to IEC 60947-1 / UL94 Flammability class		6	AWG 20... 8	AWG 20... 8		
Approvals			6 / 3			
			A5 / V-0			
Clamped conductors (H05V / H07V)						
Solid / stranded	mm²	Rated connection		further connection		
Flexible / Flexible with wire end ferrule	mm²	0.5... 10 / 1.5... 10				
Tightening torque range (clamping screw)	Nm	0.5... 10 / 0.5... 6				
Tightening torque range (disconnector)	Nm	0.8... 1.6 (M 3.5)				
Stripping length / Blade size	mm / -	0.5... 0.8				
Note		12 / 4.0 x 0.8				

Ordering data

Version		Type	Qty.	Order No.
dark beige Wemid	with socket	WTL 6/2	50	1017700000
	without socket			
Note		TS32 version on request		

Version		Type	Qty.	Order No.
dark beige Wemid	with socket	WTL 6/3/STB	50	1018600000
	without socket	WTL 6/3	50	1018800000
Note		TS32 version on request		

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
(WQV - insulated / QL)	2-pole	WQV 6/2	57	50	1052360000
	3-pole	WQV 6/3	57	50	1054760000
	4-pole	WQV 6/4	57	50	1054860000
	10-pole	WQV 6/10	57	20	1052260000
	Connecting sleeve for cross-connector QL				
	Fixing screw for cross-connector QL				
End plate / Partition plate			width [mm]		
dark beige Wemid	End plate				
	Partition plate				
Cross-connection slider					
	2-pole	WKS 1/2		50	1604270000
	3-pole	WKS 1/3		50	1604290000
	4-pole	WKS 1/4		50	1604310000
	Connecting sleeve for QVS				
	Fixing screw for QVS				
Testing / Checking					
	Test plug	PS 4 FSTB 4		20	0299600000
	Socket, yellow				
	Socket, green				
	Socket, violet				
	Socket, blue				
Miscellaneous accessories					
	Lockout device	SSP 3 SAKT1		100	0531760000
	Shorting plug, 2-pole				
without insulating cap	Socket				
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		For further disconnect test terminal accesories: see chapter Accessories			

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
(WQV - insulated / QL)	2-pole	WQV 6/2	57	50	1052360000
	3-pole	WQV 6/3	57	50	1054760000
	4-pole	WQV 6/4	57	50	1054860000
	10-pole	WQV 6/10	57	20	1052260000
	Connecting sleeve for cross-connector QL				
	Fixing screw for cross-connector QL				
End plate / Partition plate			width [mm]		
dark beige Wemid	End plate				
	Partition plate				
Cross-connection slider					
	2-pole	WKS 1/2		50	1604270000
	3-pole	WKS 1/3		50	1604290000
	4-pole	WKS 1/4		50	1604310000
	Connecting sleeve for QVS				
	Fixing screw for QVS				
Testing / Checking					
	Test plug	PS 4 FSTB 4		20	0299600000
	Socket, yellow	STB 21 6/1HGE WTL6/3		50	1071010000
	Socket, green	STB 21 6/1HGN WTL6/3		50	1071020000
	Socket, violet	STB 21 6/1HVI WTL6/3		50	1071030000
	Socket, blue	STB 21 6/1HBL WTL6/3		50	1071080000
Miscellaneous accessories					
	Lockout device	SSP WTL6/2		100	1604200000
	Shorting plug, 2-pole				
without insulating cap	Socket				
Marking systems	(see large assortment in catalogue 7)				
	Marking tags	WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		For further disconnect test terminal accesories: see chapter Accessories			

WTL 6/4 FF

Longitudinal disconnector

WTD 6/4 FF

Feed-through terminal

		WTL 6/4 FF	WTD 6/4 FF
Width x length x height	mm	**11** x 76.5 x 52	**11** x 76.5 x 52
max. current / max. cond. cross-section	A/mm²	**41 / 6**	**41 / 6**
max. clamping range	mm²	**0.13... 6**	**0.13... 6**

Technical data

IEC 60947-7-1 / VDE 0100-637

Rated data	IEC	UL	CSA	EN 50019
Rated voltage V	800	600	600	
	500 V when used as disconnect test terminal			
Rated current A	41	30	30	
Rated cross-section mm²	6	AWG 26 ... 10	AWG 26... 10	
Tightening torque range, clamp. screw/disconnector Nm		1.2 ... 1.9 / 0.5 ... 0.8		
Approvals				
Note				

IEC 60947-7-1 / VDE 0100-637

Rated data	IEC	UL	CSA	EN 50019
Rated voltage V	800	600	600	
	500 V when used as disconnect test terminal			
Rated current A	41	30	30	
Rated cross-section mm²	6	AWG 26 ... 10	AWG 26... 10	
Tightening torque range, clamp. screw/disconnector Nm		1.2 ... 1.9		
Approvals				
Note				

Ordering data

Version	Type	Qty	Order No.
	WTL 6/4 FF	50	1837210000
Note	insulated cable lug needed		

Version	Type	Qty	Order No.
	WTD 6/4 FF	50	1837220000
Note	insulated cable lug needed		

Accessories

Cross-connection	Type	Current [A]	Qty	Order No.
ZQV plug-in cross-connection 2-pole	ZQV 10/2		25	1739680000

Cross-connection	Type	Current [A]	Qty	Order No.
ZQV plug-in cross-connection 2-pole	ZQV 10/2		25	1739680000

End plate/partition plate	Type	Qty	Order No.
Wemid, dark beige	WAP WTL6/4FF	20	1837240000

End plate/partition plate	Type	Qty	Order No.
Wemid, dark beige	WAP WTL6/4FF	20	1837240000

End bracket	Type	Qty	Order No.
	EWK 1/TS 32	100	0206160000
	WEW 35/2 / TS 35	100	1061200000
	EW 35 /SCHA/M3	100	0258660000
Screw	Type	Qty	Order No.
	BS M3x20		0309000000
	BS M3x20 CuNi		0377100000
Connecting sleeves	Type	Qty	Order No.
	VH 1.3-5		0248500000
Cross-connection lugs	Type	Qty	Order No.
	QL 2 WTL 6/4 FF		1897010000
	QL 3 WTL 6/4 FF		1897020000
	QL 4 WTL 6/4 FF		1897030000
	QL 10 WTL 6/4 FF		1897090000
	QL 50 WTL 6/4 FF		1897100000
Cross-connection	Type	Qty	Order No.
	Q 2 WTL 6/4 FF		1897110000
	Q 3 WTL 6/4 FF		1897120000
	Q 4 WTL 6/4 FF		1897130000
	Q 10 WTL 6/4 FF		1897190000
Insulating sleeve	Type	Qty	Order No.
	DS 1.3-5 WTL 6/4		1897000000
Cross-connection plug	Type	Qty	Order No.
	QS 2 (2-pole)		0270760000
Cable lug	Type	Qty	Order No.
	LIR 1.5 M4 V		9200090000
	LIR 2.5 M4 V		9200170000
	LIR 6 M4 V		9200230000
Tools	Type	Qty	Order No.
Screwdriver	SDI 0.8x4.0		9008400000
	SD 0.8x4.0		9008340000
	SDIZ 0.8x5.5		9008640000
Crimping tools	CTI 6		9006120000
Marking system			
Tags	WS 10/5 / DEK 5		

For detailed information on further accessories and their use see chapter "Accessories".

For further disconnect test terminal accessories see chapter "Accessories"

Cross-connection	Type	Current [A]	Qty	Order No.
ZQV plug-in cross-connection 2-pole	ZQV 10/2		25	1739680000

End plate/partition plate	Type	Qty	Order No.
Wemid, dark beige	WAP WTL6/4FF	20	1837240000

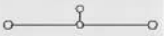
End bracket	Type	Qty	Order No.
	EWK 1/TS 32	100	0206160000
	WEW 35/2 / TS 35	100	1061200000
	EW 35 /SCHA/M3	100	0258660000
Screw	Type	Qty	Order No.
	BS M3x20		0309000000
	BS M3x20 CuNi		0377100000
Connecting sleeves	Type	Qty	Order No.
	VH 1.3-5		0248500000
Cross-connection lugs	Type	Qty	Order No.
	QL 2 WTL 6/4 FF		1897010000
	QL 3 WTL 6/4 FF		1897020000
	QL 4 WTL 6/4 FF		1897030000
	QL 10 WTL 6/4 FF		1897090000
	QL 50 WTL 6/4 FF		1897100000
Cross-connection	Type	Qty	Order No.
	Q 2 WTL 6/4 FF		1897110000
	Q 3 WTL 6/4 FF		1897120000
	Q 4 WTL 6/4 FF		1897130000
	Q 10 WTL 6/4 FF		1897190000
Insulating sleeve	Type	Qty	Order No.
	DS 1.3-5 WTL 6/4		1897000000
Cross-connection plug	Type	Qty	Order No.
	QS 2 (2-pole)		0270760000
Cable lug	Type	Qty	Order No.
	LIR 1.5 M4 V		9200090000
	LIR 2.5 M4 V		9200170000
	LIR 6 M4 V		9200230000
Tools	Type	Qty	Order No.
Screwdriver	SDI 0.8x4.0		9008400000
	SD 0.8x4.0		9008340000
	SDIZ 0.8x5.5		9008640000
Crimping tools	CTI 6		9006120000
Marking system			
Tags	WS 10/5 / DEK 5		

For further disconnect test terminal accessories see chapter "Accessories"

Terminals with spring-loaded cable clamps

Spring below clamping yoke ensures additional contact stability.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDU 4 SL	4 mm²	WDU 6 SL	6 mm²
width x length x height with TS 35 x 7.5 mm	6.1 x 60 x 47		7.9 x 60 x 47	
max. current / max. conductor A/mm²	41 / 6		57 / 10	
max. clamping range mm²	0.33 ... 6		0.5 ... 10	

Technical data

	WDU 4 SL	WDU 6 SL
	IEC 60947-7-1 — Ex e II Ex II 2 G D	IEC 60947-7-1 — Ex e II Ex II 2 G D
Rated data	**IEC / UL / CSA / EN 60079-7**	**IEC / UL / CSA / EN 60079-7**
Rated voltage V	500 / 600 / 300 / 275	500 / 150 / 300 / 275
Rated current A	32 / 30 / 25 / 28	41 / 45 / 45 / 36
Rated cross-section mm²	4 / AWG 22... 10 / AWG 22... 10 / 4	6 / AWG 20... 8 / AWG 20... 8 / 6
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0	A5 / V-0
Approvals	SIRA 02ATEX3242 U	SIRA 02ATEX3242 U
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²	0.5... 6 / 1.5... 6	0.5... 10 / 1.5... 10
Flexible / Flexible with wire end ferrule mm²	0.5... 4 / 0.5... 4	0.5...6 / 0.5... 6
Tightening torque range (clamping screw) Nm	0.5... 1.0 (M 3)	0.8... 1.4 (M 3.5)
Stripping length / Blade size mm / -	16 / 0.6 x 3.5	16 / 4.0 x 0.8
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5... 1.5	1.5... 2.5
Flexible / Flexible with wire end ferrule mm²	0.5... 1.5 / 0.5... 1.5	1.5... 2.5 / 0.5... 2.5
Note	Note the max. current of the terminal (41 A) when using the cross-connector!	EEx rated data, 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Ordering data

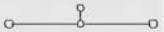
Version		WDU 4 SL	WDU 6 SL
	dark beige Wemid		
(combination clip-in foot TS32/35)	dark beige Wemid		
(combination clip-in foot TS32/35)	black PA		
Note			
Type		WDU 4 SL	WDU 6 SL
Qty.		50	50
Order No.		9537440000	9537460000

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 4N/2 GE	32	60	1758250000				
	3-pole	ZQV 4N/3 GE	32	60	1762630000				
	4-pole	ZQV 4N/4 GE	32	60	1762620000				
	10-pole	ZQV 4N/10 GE	32	20	1758260000				
	20-/24-pole	ZQV 4N/20 GE	32	20	1909020000				
Cross-connection (screwed)			**Current [A]**				**Current [A]**		
	2-pole	WQV 4/2	41	50	1051960000	WQV 6/2	57	50	1052360000
	3-pole	WQV 4/3	32	50	1054560000	WQV 6/3	57	50	1054760000
	4-pole	WQV 4/4	32	50	1054660000	WQV 6/4	57	50	1054860000
	10-pole	WQV 4/10	41	20	1052060000	WQV 6/10	57	20	1052260000
End plate / Partition plate			**width [mm]**				**width [mm]**		
End plate	dark beige Wemid	WAP 2.5-10	1.5	50	1050000000	WAP 2.5-10	1.5	50	1050000000
	black Wemid	WAP 2.5-10 SW	1.5	50	1050010000	WAP 2.5-10 SW	1.5	50	1050010000
Partition plate	dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
End bracket			**width [mm]**				**width [mm]**		
	dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking									
	Test adapter	WTA 3 WDU4		25	1632350000	WTA 5/1		25	1051280000
Marking systems (see large assortment in catalogue 7)									
	Marking tags	WS 12/6				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1.2.5mm² (black) order No. 9036300000 (100 pcs)				Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1.2.5mm² (black) order No. 9036300000 (100 pcs)			

WDU 10 SL — 10 mm²

9.9 x 60 x 47
76 / 16
1.31 ... 16



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
500	150	300	275
57	50	65	50
10	AWG 16... 8	AWG 16... 8	10
6 / 3			
A6 / V-0			

SIRA 02ATEX3242 U

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.2...2.4 (M 4)
17 / 10 x 5.5
2.5...4
2.5...4 / 1...4

ES rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL	50	9537480000

Type	Current [A]	Qty.	Order No.
WQV 10/2	57	50	1052560000
WQV 10/3	57	50	1054960000
WQV 10/4	57	50	1055060000
WQV 10/10	57	20	1052460000
	Current [A]		

Type	width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 5/1		25	1051260000

WS 12/6,5

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1.25-2.5 mm² (black) order No. 9036300000 (100 pcs)

WTR 4 SL — 4 mm²

with clamping screw

6.1 x 61.2 x 48.6
32 / 6
0.33 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	24	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 (M 3)
13 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

UL/CSA 600 V possible with end plate WAP or partition plate WTW

Type	Qty.	Order No.
WTR 4 SL	50	7910270000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758280000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		

Type	width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)

WTR 4 SL STB — 4 mm²

with socket

6.1 x 61.2 x 48.6
32 / 6
0.33 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	24	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 (M 3)
13 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

UL/CSA 600 V possible with end plate WAP or partition plate WTW

Type	Qty.	Order No.
WTR 4 STB SL	50	7910300000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758280000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		

Type	width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)

Terminals with spring-loaded cable clamps

Spring below clamping yoke ensures additional contact stability.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDU 4 SL/EN	4 mm²	WDU 6 SL/EN	6 mm²
width x length x height with TS 35 x 7.5 mm	6.1 x 60 x 47		7.9 x 60 x 47	
max. current / max. conductor A/mm²	41 / 6		57 / 10	
max. clamping range mm²	0.33 ... 6		0.5 ... 10	

Technical data

	WDU 4 SL/EN				WDU 6 SL/EN			
Rated data	IEC 60947-7-1			Ex e II (Ex) II 2 G D	IEC 60947-7-1			Ex e II (Ex) II 2 G D
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage V	500	600	300	275	500	150	300	275
Rated current A	32	30	25	28	41	45	45	36
Rated cross-section mm²	4	AWG 22... 10	AWG 22... 10	4	6	AWG 20... 8	AWG 20... 8	6
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0				A5 / V-0			
Approvals	SIRA 02ATEX3242 U				SIRA 02ATEX3242 U			
Clamped conductors (H05V/H07V)	**Rated connection**				**Rated connection**			
Solid / stranded mm²	0.5...6 / 1.5...6				0.5...10 / 1.5...10			
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...4				0.5...6 / 0.5...6			
Tightening torque range (clamping screw) Nm	0.5...1.0 (M3)				0.8...1.4 (M3.5)			
Stripping length / Blade size mm / -	16 / 0.6 x 3.5				16 / 4.0 x 0.8			
2 clamped cables with same cross-section (H05V/H07V)								
Solid / stranded mm²	0.5...1.5				1.5...2.5			
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5				1.5...2.5 / 0.5...2.5			
Note	Note the max. current of the terminal (41 A) when using the cross-connector!				ESI rated data, 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connection!			

Ordering data

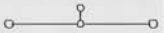
Version		WDU 4 SL/EN	Qty.	Order No.	WDU 6 SL/EN	Qty.	Order No.
	dark beige Wemid						
(combination clip-in foot TS32/35)	dark beige Wemid	WDU 4 SL/EN	50	9537450000	WDU 6 SL/EN	50	9537470000
(combination clip-in foot TS32/35)	black PA	WDU 4 SL/EN SW	50	9537510000	WDU 6 SL/EN SW	50	9537430000
Note							

Accessories

		WDU 4 SL/EN	Current [A]	Qty.	Order No.	WDU 6 SL/EN	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 4N/2 GE	32	60	1758250000				
	3-pole	ZQV 4N/3 GE	32	60	1762630000				
	4-pole	ZQV 4N/4 GE	32	60	1762620000				
	10-pole	ZQV 4N/10 GE	32	20	1758280000				
	20-/24-pole	ZQV 4N/20 GE	32	20	1909020000				
Cross-connection (screwed)			**Current [A]**				**Current [A]**		
	2-pole	WQV 4/2	41	50	1051980000	WQV 6/2	57	50	1052380000
	3-pole	WQV 4/3	32	50	1054560000	WQV 6/3	57	50	1054780000
	4-pole	WQV 4/4	32	50	1054660000	WQV 6/4	57	50	1054860000
	10-pole	WQV 4/10	41	20	1052080000	WQV 6/10	57	20	1052280000
End plate / Partition plate			**width [mm]**				**width [mm]**		
End plate	dark beige Wemid	WAP 2.5-10	1.5	50	1050000000	WAP 2.5-10	1.5	50	1050000000
	black Wemid	WAP 2.5-10 SW	1.5	50	1050010000	WAP 2.5-10 SW	1.5	50	1050010000
Partition plate	dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
End bracket			**width [mm]**				**width [mm]**		
	dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking									
	Test adapter	WTA 3 WDU4		25	1632350000	WTA 5/1		25	1051280000
Marking systems (see large assortment in catalogue 7)									
	Marking tags	WS 12/6				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"		Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1-2.5 mm² (black) order No. 9036300000 (100 pcs)				Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1-2.5 mm² (black) order No. 9036300000 (100 pcs)			

WDU 10 SL/EN — 10 mm²

9.9 x 60 x 47
76 / 16
1.31 ... 16



IEC 60947-7-1 — Ex e II 2 G D

IEC	UL	CSA	EN 60079-7
500	150	300	275
57	50	65	50
10	AWG 16... 8	AWG 16... 8	10
6 / 3			
A6 / V-0			

SIRA 03ATEX3242 U

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.2...2.4 (M 4)
17 / 1.0 x 5.5
2.5...4
2.5...4 / 1...4

ES rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL/EN	50	9537490000
WDU 10 SL/EN SW	50	9537410000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 10/2	57	50	1052560000
WQV 10/3	57	50	1054960000
WQV 10/4	57	50	1055060000
WQV 10/10	57	20	1052460000
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WTA 5/1		25	1051260000

WS 12/6,5

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs) / 1.25-2.5 mm² (black) order No. 9036300000 (100 pcs)

WTR 4 SL/EN — 4 mm²

with clamping screw

6.1 x 61.2 x 48.6
32 / 6
0.33 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	24	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 (M 3)
13 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

UL/CSA 600 V possible with end plate WAP or partition plate WTW

Type	Qty.	Order No.
WTR4 SL/EN	50	7910360000
WTR4 SL/EN SW	50	7910380000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758280000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)

WTR 4 StB SL/EN — 4 mm²

with socket

6.1 x 61.2 x 48.6
32 / 6
0.33 ... 6

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	24	
4	AWG 22... 10	AWG 22... 10	
6 / 3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 (M 3)
13 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

UL/CSA 600 V possible with end plate WAP or partition plate WTW

Type	Qty.	Order No.
WTR4 SL/EN STB SW	50	7910410000

Type	Current [A]	Qty.	Order No.
ZQV 4N/2 GE	32	60	1758250000
ZQV 4N/3 GE	32	60	1762630000
ZQV 4N/4 GE	32	60	1762620000
ZQV 4N/10 GE	32	20	1758280000
ZQV 4N/20 GE	32	20	1909020000
	Current [A]		
	width [mm]		
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 SW	1.5	50	1050010000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6

Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)

Terminals with spring-loaded cable clamps

Spring below clamping yoke ensures additional contact stability.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WTR 4 SI SL	WTL 6 SL
	4 mm²	6 mm²
	with fuse holder	Longitudinal - disconnector
width x length x height with TS 35 x 7.5 mm	6.1 x 61.2 x 80.5	7.9 x 82.7 x 50.4
max. current / max. conductor A/mm²	6.3 / 6	57 / 10
max. clamping range mm²	0.33 ... 6	0.5 ... 10

Technical data

	WTR 4 SI SL	WTL 6 SL
	IEC 60947-7-1 / VDE 0100-537	IEC 60947-7-1 / VDE 0100-537
Rated data	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	400 / 300 / 300	500 / 300 / 300
Rated current A	63 / 63 / 63	41 / 45 / 45
Rated cross-section mm²	4 / AWG 22... 10 / AWG 22... 10	6 / AWG 20... 8 / AWG 20... 8
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)	Rated connection	Rated connection
Solid / stranded mm²	0.5...6 / 1.5...6	0.5...10 / 1.5...10
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...4	0.5...6 / 0.5...6
Tightening torque range (clamping screw) Nm	0.5...0.6 (M3)	0.8...1.6 (M3.5)
Stripping length / Blade size mm / -	13 / 0.6 x 3.5	16 / 4.0 x 0.8
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	1.5...2.5
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5	1.5...2.5 / 1.5...2.5
Note		ESI rated data, 500 V/24 A

Ordering data

Version	WTR 4 SI SL	WTL 6 SL
	Type / Qty. / Order No.	Type / Qty. / Order No.
dark beige Wemid	WTR 4 SI SL / 25 / 7910330000	WTL 6 SL / 50 / 9538070000
(combination clip-in foot TS32/35) dark beige Wemid		
(combination clip-in foot TS32/35) black PA		
Note		

Accessories

Cross-connection, pluggable	WTR 4 SI SL			WTL 6 SL		
	Type	Current [A]	Qty. / Order No.	Type	Current [A]	Qty. / Order No.
2-pole	ZQV 4N/2 GE	32	60 / 1758250000			
3-pole	ZQV 4N/3 GE	32	60 / 1762630000			
4-pole	ZQV 4N/4 GE	32	60 / 1762620000			
10-pole	ZQV 4N/10 GE	32	20 / 1758260000			
20-/24-pole	ZQV 4N/20 GE	32	20 / 1909020000			
Cross-connection (screwed)	**Current [A]**			**Current [A]**		
2-pole				QL 2 SAK6N	57	50 / 0194300000
3-pole				QL 3 SAK6N	57	50 / 0194400000
4-pole				QL 4 SAK6N	57	50 / 0194500000
10-pole				QL 10 SAK6N	32	20 / 0333300000
End plate / Partition plate	**width [mm]**			**width [mm]**		
End plate dark beige Wemid	WAP 2.5-10	1.5	50 / 1050000000			
black Wemid	WAP 2.5-10 SW	1.5	50 / 1050010000			
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20 / 1050100000	WTW EN	3	20 / 1058800000
End bracket	**width [mm]**			**width [mm]**		
dark beige	WEW-35/2	8	100 / 1061200000	WEW-35/2	8	100 / 1061200000
Testing / Checking						
Test adapter						
Marking systems (see large assortment in catalogue 7)						
Marking tags	WS 12/6			WS 12/6,5		
For detailed information on other accessories and applications see "Accessories"	Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)			Hook-shaped cable lug 0.25-1.5 mm² (black) order No. 9036290000 (100 pcs) / 1.2.5 mm² (black) order No. 9036300000 (100 pcs)		

WTD 6 SL — 6 mm²

Continuity

7.9 x 82.7 x 50.4
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection
0.5...10 / 1.5...10
0.5...6 / 0.5...6
0.8...1.6 (M3.5)
16 / 4.0 x 0.8
1.5...2.5
1.6...2.5 / 1.5...2.5

ESI rated data: 500 V/24 A

Type	Qty.	Order No.
WTD 6 SL	50	9538090000

Type	Current [A]	Qty.	Order No.
	Current [A]		
QL 2 SAK6N	57	50	0194300000
QL 3 SAK6N	57	50	0194400000
QL 4 SAK6N	57	50	0194500000
QL 10 SAK6N	32	20	0338300000
	width [mm]		
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6,5

Hook-shaped cable lug 0.25-1.5 mm² (black) order No. 9036290000 (100 pcs) / 1-2.5 mm² (black) order No. 9036300000 (100 pcs)

Terminals with spring-loaded cable clamps

Spring below clamping yoke ensures additional contact stability.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WTR 4 SI SL/EN	WTL 6 SL/EN
	4 mm²	6 mm²
	with fuse holder	Longitudinal - disconnector
width x length x height with TS 35 x 7.5 mm	6.1 x 61.2 x 80.5	7.9 x 82.7 x 50.4
max. current / max. conductor A/mm²	6.3 / 6	57 / 10
max. clamping range mm²	0.33 ... 6	0.5 ... 10

Technical data

	WTR 4 SI SL/EN	WTL 6 SL/EN
Rated data	IEC 60947-7-1 / VDE 0100-537	IEC 60947-7-1 / VDE 0100-537
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	400 / 300 / 300	500 / 300 / 300
Rated current A	63 / 63 / 63	41 / 45 / 45
Rated cross-section mm²	4 / AWG 22... 10 / AWG 22... 10	6 / AWG 20... 8 / AWG 20... 8
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A4 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / stranded mm²	0.5...6 / 1.5...6	0.5...10 / 1.5...10
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...4	0.5...6 / 0.5...6
Tightening torque range (clamping screw) Nm	0.5...0.6 (M 3)	0.8...1.6 (M 3.5)
Stripping length / Blade size mm / -	13 / 0.6 x 3.5	16 / 4.0 x 0.8
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	1.5...2.5
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5	1.5...2.5 / 1.5...2.5
Note		ESI rated data, 500 V/24 A

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid						
(combination clip-in foot TS32/35) dark beige Wemid	WTR4 SI SL/EN	50	7910420000	WTL6 SL/EN	50	9938090000
(combination clip-in foot TS32/35) black PA	WTR4 SI SL/EN SW	25	7910440000	WTL6 SL/EN SW	50	9938090000
Note						

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 4N/2 GE	32	60	1758250000				
3-pole	ZQV 4N/3 GE	32	60	1762630000				
4-pole	ZQV 4N/4 GE	32	60	1762620000				
10-pole	ZQV 4N/10 GE	32	20	1758290000				
20-/24-pole	ZQV 4N/20 GE	32	20	1909020000				
Cross-connection (screwed)		**Current [A]**				**Current [A]**		
2-pole					QL 2 SAK6N	57	50	0194300000
3-pole					QL 3 SAK6N	57	50	0194400000
4-pole					QL 4 SAK6N	57	50	0194500000
10-pole					QL 10 SAK6N	32	20	0338300000
End plate / Partition plate		**width [mm]**				**width [mm]**		
End plate dark beige Wemid	WAP 2.5-10	1.5	50	1050000000				
black Wemid	WAP 2.5-10 SW	1.5	50	1050010000				
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10	1.5	20	1050100000	WTW EN	3	20	1058800000
End bracket		**width [mm]**				**width [mm]**		
dark beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Testing / Checking								
Test adapter								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 12/6				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	Hook-shaped cable lug 0.25-1.0 mm² (black) order No. 9036290000 (100 pcs)				Hook-shaped cable lug 0.25-1.5 mm² (black) order No. 9036290000 (100 pcs) / 1.2.5 mm² (black) order No. 9036300000 (100 pcs)			

WTD 6 SL/EN — 6 mm²

Continuity

7.9 x 82.7 x 50.4
57 / 10
0.5 ... 10

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20... 8	AWG 20... 8	
	6 / 3		
	A5 / V-0		

Rated connection
0.5...10 / 1.5...10
0.5...6 / 0.5...6
0.8...1.6 (M3.5)
16 / 4.0 x 0.8
1.5...2.5
1.6...2.5 / 1.5...2.5

ESI rated data: 500 V/24 A

Type	Qty.	Order No.
WTD 6 SL/EN	50	9538100000
WTD 6 SL/EN SW	50	9538050000

Type	Current [A]	Qty.	Order No.
	Current [A]		
QL 2 SAK6N	57	50	0194300000
QL 3 SAK6N	57	50	0194400000
QL 4 SAK6N	57	50	0194500000
QL 10 SAK6N	32	20	0338300000
	width [mm]		
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000

WS 12/6,5

Hook-shaped cable lug 0.25-1.5 mm² (black) order No. 9036290000 (100 pcs) / 1-2.5 mm² (black) order No. 9036300000 (100 pcs)

Initiator and actuator terminals

Time- and space-saving wiring for initiators and actuators. All the connections for initiator and actuator are in one terminal.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

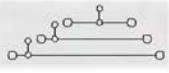
DLD 2.5 — 2.5 mm²

Voltage supply

DLD 2.5 PE — 2.5 mm²

Lower level earthed

		DLD 2.5	DLD 2.5 PE
width x length x height with TS 35 x 7.5	mm	6.1 x 82 x 49	6.1 x 74.5 x 49
max. current / max. conductor	A/mm²	24 / 4	17.5 / 4
max. clamping range	mm²	0.13 ... 4	0.13 ... 4



Technical data

Rated data		DLD 2.5	DLD 2.5 PE
Rated voltage	V	250	250
Rated current	A	24	17.5
Rated cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0	A3 / V-0
Approvals			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 22... 12	AWG 26... 12	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26... 12	AWG 26... 12	

Electronic fittings		DLD 2.5	DLD 2.5 PE
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED	V / mA / -		
Resistor / Varistor	-/V		

Clamped conductors (H05V/H07V)		DLD 2.5	DLD 2.5 PE
Solid / stranded	mm²	0.5... 4 / 4... 4	0.5...4 / 4...4
Flexible / Flexible with wire end ferrule	mm²	0.5... 4 / 0.5... 2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm	0.4... 0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size	mm / -	7 / 0.6 x 3.5	7 / 0.6 x 3.5

Rated connection	further connection
0.5... 4 / 4... 4	
0.5... 4 / 0.5... 2.5	
0.4... 0.6 (M 2.5)	
7 / 0.6 x 3.5	

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

Note	DLD 2.5	DLD 2.5 PE
	Rated voltages reduced to 30 V AC when cross-connection skips one pole with a different potential	Rated voltage is reduced to 30 V AC when cross-connection skips one pole with a different potential

Ordering data

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	DLD 2.5 DB	50	1784180000
see circuit diagram above	dark beige Wemid (red LED)			
	dark beige Wemid (green LED)			

Note	DLD 2.5	DLD 2.5 PE
	Blue version order No. 6269250000 (50 pcs)	

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	DLD 2.5/PE DB	50	1783790000
see circuit diagram above	dark beige Wemid (red LED)			
	dark beige Wemid (green LED)			

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	Q 2 DLI	20	50	1312500000
	3-pole	Q 3 DLI	20	50	1312600000
	4-pole	Q 4 DLI	20	50	1312700000
	10-pole	Q 10 DLI	20	20	1313100000
End plate / Partition plate			width [mm]		
	dark beige Wemid	AP DLD2.5 DB	1.5	20	1784210000
End bracket			width [mm]		
	dark beige / beige	EW 35	8.5	50	0383560000
Screwdrivers					
	with cutting device "swifty set"				
	Standard	SD 0.6x3.5x100		1	9008330000

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	Q 2 DLI	20	50	1312500000
	3-pole	Q 3 DLI	20	50	1312600000
	4-pole	Q 4 DLI	20	50	1312700000
	10-pole	Q 10 DLI	20	20	1313100000
End plate / Partition plate			width [mm]		
	dark beige Wemid	AP DLD2.5/PE DB	1.5	20	1783800000
End bracket			width [mm]		
	dark beige / beige	EW 35	8.5	50	0383560000
Screwdrivers					
	with cutting device "swifty set"				
	Standard	SD 0.6x3.5x100		1	9008330000

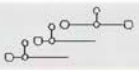
Labelling systems (see large assortment in catalogue 7)
Marking tags

For detailed information on other accessories and applications see "Accessories"	DLD 2.5	DLD 2.5 PE
	Insulation plate TSCH 1 order No. 0319160000 (100 pcs) Partial end plate TEAP DLD2.5/PE DB order No. 1783810000 (20 pcs)	Insulation plate TSCH 1 order No. 0319160000 (100 pcs) Partial end plate TEAP DLD2.5/PE DB order No. 1783810000 (20 pcs)

DLI 2.5 — 2.5 mm²

Initiator connection (signal,+,-)

6.1 x 65 x 49
26 / 4
0.13 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	4 / 3		
	A3 / V-0		

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

Rated voltage is reduced to 30 V AC when one pole with a different potential is slipped

Type	Qty.	Order No.
DLI 2.5 DB	100	1783820000

Type	Current [A]	Qty.	Order No.
Q 2 DLI	20	50	1312500000
Q 3 DLI	20	50	1312600000
Q 4 DLI	20	50	1312700000
Q 10 DLI	20	20	1313100000
	width [mm]		
AP DLI2.5 DB	1.5	20	1783550000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

Insulation plate TSCH 1 order No. 0319160000 (100 pcs), socket STB 6 5 in upper current bar (in conjunction with test plug PS 2.2).

DLI 2.5 LD PNP — 2.5 mm²

Initiator connection with LED

6.1 x 65 x 49
24 / 4
0.13 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30	30	30	
24	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	1 / 3		
	A3 / V-0		

30 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

Type	Qty.	Order No.
DLI 2.5/LD-RT/PNP +- DB	100	1783980000
DLI 2.5/LD-GN/PNP +- DB	100	1783970000

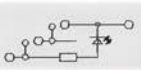
Type	Current [A]	Qty.	Order No.
Q 2 DLI	20	50	1312500000
Q 3 DLI	20	50	1312600000
Q 4 DLI	20	50	1312700000
Q 10 DLI	20	20	1313100000
	width [mm]		
AP DLI2.5 DB	1.5	20	1783550000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

Insulation plate TSCH 1 order No. 0319160000 (100 pcs)

DLI 2.5 LD NPN — 2.5 mm²

Initiator connection with LED

6.1 x 65 x 49
24 / 4
0.13 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30	30	30	
24	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	1 / 3		
	A3 / V-0		

30 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

Type	Qty.	Order No.
DLI 2.5/LD-RT/NPN -+ DB	100	1783950000
DLI 2.5/LD-GN/NPN -+ DB	100	1783940000

Type	Current [A]	Qty.	Order No.
Q 2 DLI	20	50	1312500000
Q 3 DLI	20	50	1312600000
Q 4 DLI	20	50	1312700000
Q 10 DLI	20	20	1313100000
	width [mm]		
AP DLI2.5 DB	1.5	20	1783550000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

Insulation plate TSCH 1 order No. 0319160000 (100 pcs)

Initiator and actuator terminals

Time- and space-saving wiring for initiators and actuators. All the connections for initiator and actuator are in one terminal.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

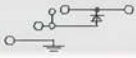
DLA 2.5 — 2.5 mm²

Actuator connection (signal, -, PE)

DLA 2.5/D — 2.5 mm²

Actuator connection (circuit with diode)

		DLA 2.5	DLA 2.5/D
width x length x height with TS 35 x 7.5	mm	6.1 x 65 x 49	6.1 x 65 x 49
max. current / max. conductor	A/mm²	26 / 4	17.5 / 4
max. clamping range	mm²	0.13 ... 4	0.13 ... 4



Technical data

Rated data		DLA 2.5	DLA 2.5/D
Rated voltage	V	250	250
Rated current	A	17.5	17.5
Rated cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0	A3 / V-0
Approvals			

IEC 60947-7-1 (-7-2)

	IEC	UL	CSA	EN 60079-7
DLA 2.5	250	300	300	
	17.5	10	10	
	2.5	AWG 22... 12	AWG 26... 12	
DLA 2.5/D	250	300	300	
	17.5	10	10	
	2.5	AWG 22... 12	AWG 26... 12	

Electronic fittings		DLA 2.5	DLA 2.5/D
Diode reverse voltage / Diode current	V / A		1000 / 1
voltage LED / current LED	V / mA / -		
Resistor / Varistor	-/V		

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.5...4 / 4...4	
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)	
Stripping length / Blade size	mm / -	7 / 0.6 x 3.5	

Note

DLA 2.5: Rated voltages reduced to 30 V AC when cross-connection skips one pole with a different potential

DLA 2.5/D: Rated voltage is reduced to 30 V AC when cross-connection skips one pole with a different potential

Ordering data

Version		Type	Qty.	Order No.
Terminal configuration see circuit diagram above	dark beige Wemid	DLA 2.5 DB	100	1783560000
	dark beige Wemid (red LED)			
	dark beige Wemid (green LED)			

Version		Type	Qty.	Order No.
Terminal configuration see circuit diagram above	dark beige Wemid	DLA 2.5/D DB	100	1783590000

Note

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	Q 2 DLI	20	50	1312500000
	3-pole	Q 3 DLI	20	50	1312600000
	4-pole	Q 4 DLI	20	50	1312700000
	10-pole	Q 10 DLI	20	20	1313100000
End plate / Partition plate			width [mm]		
	dark beige Wemid	AP DLI 2.5 DB	1.5	20	1783550000
End bracket			width [mm]		
	dark beige / beige	EW 35	8.5	50	0383560000
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 0.6x3.5x100		1	9008330000

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	Q 2 DLI	20	50	1312500000
	3-pole	Q 3 DLI	20	50	1312600000
	4-pole	Q 4 DLI	20	50	1312700000
	10-pole	Q 10 DLI	20	20	1313100000
End plate / Partition plate			width [mm]		
	dark beige Wemid	AP DLI 2.5 DB	1.5	20	1783550000
End bracket			width [mm]		
	dark beige / beige	EW 35	8.5	50	0383560000
Screwdrivers					
	with cutting device "swiftly set"				
	Standard	SD 0.6x3.5x100		1	9008330000

Labelling systems (see large assortment in catalogue 7)
Marking tags

For detailed information on other accessories and applications see "Accessories"

Insulation plate TSCH 1 order No. 0319160000 (100 pcs.)

Insulation plate TSCH 1 order No. 0319160000 (100 pcs.)

DLA 2.5/LD — 2.5 mm²

Actuator connection with LED

6.1 x 65 x 49
17.5 / 4
0.13 ... 4

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30	30	30	
17.5	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	1 / 3		
	A3 / V-0		

30 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

Type	Qty.	Order No.
DLA 2.5/LD-RT DB	100	1783600000
DLA 2.5/LD-GN DB	100	1783610000

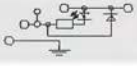
Type	Current [A]	Qty.	Order No.
Q 2 DLI	20	50	1312500000
Q 3 DLI	20	50	1312600000
Q 4 DLI	20	50	1312700000
Q 10 DLI	20	20	1313100000
	width [mm]		
AP DLI 2.5 DB	1.5	20	1783550000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

Insulation plate TSCH 1 order No. 0319160000 (100 pcs)

DLA 2.5/LD/D — 2.5 mm²

Actuator connection with LED

6.1 x 65 x 49
17.5 / 4
0.13 ... 4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30	30	30	
17.5	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	1 / 3		
	A3 / V-0		

1000 / 1
30 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
7 / 0.6 x 3.5	

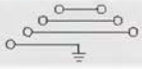
Type	Qty.	Order No.
DLA 2.5/LD-RT/D DB	100	1783620000
DLA 2.5/LD-GN/D DB	100	1783630000

Type	Current [A]	Qty.	Order No.
Q 2 DLI	20	50	1312500000
Q 3 DLI	20	50	1312600000
Q 4 DLI	20	50	1312700000
Q 10 DLI	20	20	1313100000
	width [mm]		
AP DLI 2.5 DB	1.5	20	1783550000
	width [mm]		
EW 35	8.5	50	0383560000
SD 0.6x3.5x100		1	9008330000

Insulation plate TSCH 1 order No. 0319160000 (100 pcs)

Motor connection terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		MAK 2.5	2.5 mm²	VLI 1.5	1.5 mm²
width x length x height with TS 35 x 7.5	mm	6.2 x 88 x 64		6.2 x 79.5 x 64	
max. current / max. conductor	A/mm²	31 / 4		24 / 4	
max. clamping range	mm²	0.13 ... 4		0.13 ... 4	

Technical data

		MAK 2.5	VLI 1.5
Rated data		IEC 60947-7-1 (-7-2)	IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	250 / 300 / 300
Rated current	A	24 / t0 / t0	t7.5 / t0 / t0
Rated cross-section	mm²	2.5 / AWG 26... 12 / AWG 26... 12	1.5 / AWG 26... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	4 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V2	A3 / V2
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		Rated connection / further connection	Rated connection / further connection
Solid / stranded	mm²	0.5... 4 / 4... 4	0.5...4 / 2.5...2.5
Flexible / Flexible with wire end ferrule	mm²	0.5... 4 / 0.5... 2.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm	0.4... 0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size	mm / -	8 / 0.6 x 3.5	8 / 0.6 x 3.5
Note			

Ordering data

		MAK 2.5			VLI 1.5		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Terminal configuration	dark beige Wemid	MAK 2.5	50	1615270000	VLI 1.5	50	1633250000
see circuit diagram above	dark beige Wemid (red LED)						
	dark beige Wemid (green LED)						
Note							

Accessories

		MAK 2.5				VLI 1.5			
Cross-connection (screwed)		**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole								
	3-pole								
	4-pole								
	10-pole								
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	AP MAK2.5 DB	1.5	20	7917000000	AP VLI1.5 DB		20	1784150000
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW 35/1	12	50	1059000000	WEW 35/1	12	50	1059000000
Screwdrivers									
	with cutting device "swiftly set"								
	Standard	SDI 0,6x3,5x100		1	9008390000	SDI 0,6x3,5x100		1	9008390000
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	DEK 5				DEK 5			
For detailed information on other accessories and applications see "Accessories"		*) QB 1.5/50, see chapter Accessories				VQB 1.5/50 see chapter Accessories			

Spade connection

Terminals for connecting push-on tabs to EN 61210 / VDE 0613-6.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDU 2.5 F	WDU 2.5 FF 2x2.8
	2.5 mm²	1 mm²
	Spade connection right	Spade connection left and right
width x length x height with TS 35 x 7.5 mm	5.1 x 60 x 47	5.1 x 60 x 47
max. current / max. conductor A/mm²	12 / 4	12 / 1
max. clamping range mm²	0.13 ... 4	0.13 ... 1

Technical data

	WDU 2.5 F	WDU 2.5 FF 2x2.8
Rated data	IEC 60947-7-1 / IEC 61210	IEC 60947-7-1 / IEC 61210
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	500 / 300 / 300	500 / 300 / 300
Rated current A	12 / 10 / 10	12 / 10 / 10
Rated cross-section mm²	2.5 / AWG 26... 12 / AWG 26... 12	1 / AWG 22... 12 / AWG 26... 12
Rated impulse withstand voltage / Pollution severity kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class	A3 / V-0	/ V-0
Approvals		
Clamped conductors (H05V/H07V)	Rated connection / further connection	Rated connection / further connection
solid / stranded mm²	0.5...4 / 1.5...4	0.5...4
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5 / 0.5...1	1...1 / 0.5...2.5
Tightening torque range (clamping screw) Nm	0.4...0.8 (M 2.5)	
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5	
Note	With insulating sleeves on spade connectors the voltage increases to 500 V. Current is limited by 2.8 mm spade connectors with 1 mm² conductor.	With insulating sleeves on spade connectors the voltage increases to 500 V. Current is limited by 2.8 mm spade connectors with 1 mm² conductor.

Ordering data

Version	WDU 2.5 F 2X2.8	WDU 2.5 FF 2X2.8
dark beige Wemid	Type: WDU 2.5 F 2X2.8 — Qty.: 100 — Order No.: 1021800000	Type: WDU 2.5 FF 2X2.8 — Qty.: 100 — Order No.: 1021900000
blue Wemid		
Note	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order no. 1333100000, 500 pcs)	Technical data relates to 2.8 mm spade connectors with 1 mm² conductor

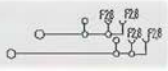
Accessories

	WDU 2.5 F	WDU 2.5 FF 2x2.8
Cross-connection, pluggable	Type / Current [A] / Qty. / Order No.	Type / Current [A] / Qty. / Order No.
2-pole		
3-pole		
4-pole		
10-pole		
20-/24-pole		
Cross-connection (screwed)	Current [A]	Current [A]
2-pole	WQV 2.5/2 — 32 — 50 — 1053660000	WQV 2.5/2 — 32 — 50 — 1053660000
3-pole	WQV 2.5/3 — 32 — 50 — 1053760000	WQV 2.5/3 — 32 — 50 — 1053760000
4-pole	WQV 2.5/4 — 32 — 50 — 1053860000	WQV 2.5/4 — 32 — 50 — 1053860000
10-pole	WQV 2.5/10 — 32 — 20 — 1054460000	WQV 2.5/10 — 32 — 20 — 1054460000
End plate / Partition plate	width [mm]	width [mm]
End plate dark beige Wemid	WAP 2.5-10 — 1.5 — 50 — 1050000000	WAP 2.5-10 — 1.5 — 50 — 1050000000
blue Wemid	WAP 2.5-10 BL — 1.5 — 50 — 1050080000	WAP 2.5-10 BL — 1.5 — 50 — 1050080000
Partition plate dark beige Wemid	WAP 16+35 WTW 2.5-10 — 1.5 — 20 — 1050100000	WAP 16+35 WTW 2.5-10 — 1.5 — 20 — 1050100000
blue Wemid	WAP 16+35 WTW 2.5-10 BL — 1.5 — 20 — 1050180000	WAP 16+35 WTW 2.5-10 BL — 1.5 — 20 — 1050180000
End bracket		
dark beige	WEW-35/2 — 8 — 100 — 1061200000	WEW-35/2 — 8 — 100 — 1061200000
Testing / Checking		
For testing wired terminal Standard		
strips with spigot		
Cover		
with lightning flash symbol	WAD 4 GE BED — 50 — 1072000000	WAD 4 GE BED — 50 — 1072000000
blank	WAD 4 WS — 50 — 1072100000	WAD 4 WS — 50 — 1072100000
Marking systems (see large assortment in catalogue 7)		
Marking tags	WS 12/5	WS 12/5
For detailed information on other accessories and applications see "Accessories"	Insulating sleeve for spade connector, 2.8 mm, order No. 0386060000	Insulating sleeve for spade connector, 2.8 mm, order No. 0386060000

WDK 2.5 F — 2.5 mm²

Spade connection right

5.1 x 69.5 x 63
12 / 4
0.13 ... 4



IEC 60947-7-1 / IEC 61210

IEC	UL	CSA	EN 60079-7
400	300	300	
12	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	1...1
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

With insulating sleeves on spade connectors the voltage increases to 500 V. Current is limited by 2.8 mm spade connectors with 1 mm² conductor.

Type	Qty.	Order No.
WDK 2.5 F	100	1021600000
WDK 2.5 F BL	100	1021680000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1331900000, 500 pcs)

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			
Insulating sleeve for spade connector, 2.8 mm, order No. 0386060000			

WDK 2.5 FF — 1 mm²

Spade connection left and right

5.1 x 75.5 x 63
12 / 1
0.13 ... 1

IEC 60947-7-1 / IEC 61210

IEC	UL	CSA	EN 60079-7
400	300	300	
12	10	10	
1	AWG 22... 12	AWG 26... 12	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.5...4	
1...1	

With insulating sleeves on spade connectors the voltage increases to 500 V. Current is limited by 2.8 mm spade connectors with 1 mm² conductor.

Type	Qty.	Order No.
WDK 2.5 FF	100	1021700000
WDK 2.5 FF BL	100	1021780000

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			
Insulating sleeve for spade connector, 2.8 mm, order No. 0386060000			

WDK 2.5 FV — 2.5 mm²

Spade connection right, both levels at one potential

5.1 x 69.5 x 63
12 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61210

IEC	UL	CSA	EN 60079-7
400	300	300	
12	10	10	
2.5	AWG 22... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

Rated connection	further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	1...1
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

With insulating sleeves on spade connectors the voltage increases to 500 V. Current is limited by 2.8 mm spade connectors with 1 mm² conductor.

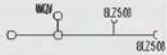
Type	Qty.	Order No.
WDK 2.5 FV	100	1022400000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1331900000, 500 pcs)

Type	Current [A]	Qty.	Order No.
	Current [A]		
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	3	20	1058800000
	width [mm]		
WEW-35/2	8	100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
WS 8/5			
Insulating sleeve for spade connector, 2.8 mm, order No. 0386060000			

Plug-in connection

	WDU 1.5 BLZ 5.08 WQV 1.5 mm²	WDU 1.5 BLZ 5.08 ZQV 1.5 mm²
	Screw cross-connection	Plug-in cross-connection
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.		
width x length x height with TS 35 x 7.5 mm	5.1 x 49 x 37.5	5.1 x 49 x 37.5
max. current / max. conductor A/mm²	16 / 4	16 / 4
max. clamping range mm²	0.13 ... 4	0.13 ... 4



Technical data

IEC 60947-7-1 / IEC 61984

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300	
Rated current A	16	20	10	
Rated cross-section mm²	1.5	AWG 26... 16	AWG 26... 16	
Rated impulse withstand voltage / Pollution severity kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	pluggable connector
Solid / stranded mm²	0.5...4 / 1.5...4	0.5...2.5 / 1.5...2.5
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Tightening torque Nm	0.4...0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	7 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5	
Note	Dims. with BLZ socket connector, length 57.5 mm / height 50 mm	

IEC 60947-7-1 / IEC 61984

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300	
Rated current A	16	20	10	
Rated cross-section mm²	1.5	AWG 26... 16	AWG 26... 16	
Rated impulse withstand voltage / Pollution severity kV/-		4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	pluggable connector
Solid / stranded mm²	0.5...4 / 1.5...4	0.5...2.5 / 1.5...2.5
Flexible / Flexible with wire end ferrule mm²	0.5...4 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Tightening torque Nm	0.4...0.6 (M 2.5)	0.4...0.6 (M 2.5)
Stripping length / Blade size mm / -	10 / 0.6 x 3.5	7 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)		
Solid / stranded mm²	0.5...1.5	
Flexible / Flexible with wire end ferrule mm²	0.5...1.5 / 0.5...1.5	
Note	Dims. with BLZ socket connector, length 57.5 mm / height 50 mm	

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	WDU 1.5/BLZ 5.08	100	1577340000
blue Wemid	WDU 1.5/BLZ 5.08 BL	100	1596900000
Note	WDU 1.5 BLA order No. 1577260000 (100 pcs.), technical data as for WDU 1.5 BLZ		

Version	Type	Qty.	Order No.
	WDU 1.5/ZQV/BLZ 5.08	100	1784460000
	WDU 1.5/ZQV/BLZ 5.08 BL	100	1784470000

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
(ZQV - pluggable / WQV - screwed) 2-pole	WQV 2.5/2	32	50	1053660000
3-pole	WQV 2.5/3	32	50	1053760000
4-pole	WQV 2.5/4	32	50	1053860000
10-pole	WQV 2.5/10	32	20	1054460000
End plate		**width [mm]**		
with spigot	WAP WDU1.5/BLZ/ZA	2.5	50	1577320000
without spigot	WAP WDU1.5/BLZ	2.5	50	1577330000
Fixing block for socket connector				
with spigot	WBB ZA WDU1.5/BL 10/10		10	1068260000
without spigot	WBB WDU1.5/BL...		10	1068160000
Socket connectors				
4-pole	BLZ 5.08/4 SN OR		100	1526660000
6-pole	BLZ 5.08/6 SN OR		50	1526860000
8-pole	BLZ 5.08/8 SN OR		50	1527060000
with side dovetail 4-pole	BLZ 5.08/4B SN OR		100	1529960000
with side dovetail 6-pole	BLZ 5.08/6B SN OR		50	1529160000
with side dovetail 8-pole	BLZ 5.08/8B SN OR		50	1529360000
Miscellaneous accessories				
Cover for unused pins	WAD WDU1.5/BL		20	1577400000
Coding element	BLZ-KO SW		50	1545710000
Marking systems (see large assortment in catalogue 7)				
Marking tags	WS 12/5			
For detailed information on other accessories and applications see "Accessories"	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)			

Cross-connection	Type	Current [A]	Qty.	Order No.
	ZQV 2.5/N/2 GE	24	60	1693800000
	ZQV 2.5/N/3 GE	24	60	1693810000
	ZQV 2.5/N/4 GE	24	60	1693820000
	ZQV 2.5/N/10 GE	24	20	1693890000
End plate		**width [mm]**		
	WAP WDU1.5/BLZ/ZA	2.5	50	1577320000
	WAP WDU1.5/BLZ	2.5	50	1577330000
Fixing block for socket connector				
	WBB ZA WDU1.5/BL 10/10		10	1068260000
	WBB WDU1.5/BL...		10	1068160000
Socket connectors				
	BLZ 5.08/4 SN OR		100	1526660000
	BLZ 5.08/6 SN OR		50	1526860000
	BLZ 5.08/8 SN OR		50	1527060000
	BLZ 5.08/4B SN OR		100	1529960000
	BLZ 5.08/6B SN OR		50	1529160000
	BLZ 5.08/8B SN OR		50	1529360000
Miscellaneous accessories				
	WAD WDU1.5/BL		20	1577400000
	BLZ-KO SW		50	1545710000
	WS 12/5			
	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)			

WDK 2.5 BLZ/5.08 — 2.5 mm²

Double terminal pitch 5.08

5.1 x 58 x 53
18 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
250	300	300	
16 5	10	24	
2 5	AWG 22... 12	AWG 26... 10	
4 / 3			
A3 / V-0			

Rated connection	pluggable connector
0 5...4 / 1 5...2 5	0 5...2 5 / 1 5...2 5
0 5...4 / 0 5...2 5	0 5...2 5 / 0 5...2 5
0 4...0 8 (M 2 5)	0 4...0 5 (M 2 5)
10 / 0 6 x 3 5	7 / 0 6 x 3 5
0 5...1 5	
0 5...1 5 / 0 5...1 5	

Dims. with BLZ socket connector length 58 mm / height 63 5 mm

Type	Qty.	Order No.
WDK 2 5/BLZ/5 08/ZA	100	1034400000

2 5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1331100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
width [mm]			
WAP WDK2 5/BLZ/M ZA	5 1	20	1070100000
WAP WDK2 5/BLZ/M ZA	5 1	20	1070100000
WBB ZA WDK2 5/BL5 08		10	1072760000
WBB WDK2 5/BL5 08		10	1072660000
BLZ 5 08/4 SN OR		100	1523660000
BLZ 5 08/6 SN OR		50	1523960000
BLZ 5 08/8 SN OR		50	1527060000
BLZ 5 08/4B SN OR		100	1523960000
BLZ 5 08/6B SN OR		50	1529160000
BLZ 5 08/8B SN OR		50	1529360000
WAD WDU1 5/BL		20	1577400000
BLZ-KO SW		50	1545710000

WS 8/5

For external cross-connection WQB A, see section W-series accessories Electrical distribution

WDU 2.5 BLZ/7.62 — 2.5 mm²

Pitch 7.62

7.6 x 49 x 37.5
24 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
400			
21 5			
2 5			
6 / 3			
A3 / V-0			

Rated connection	pluggable connector
0 5...4 / 1 5...2 5	0 5...2 5 / 1 5...2 5
0 5...4 / 0 5...2 5	0 5...2 5 / 0 5...2 5
0 4...0 8 (M 2 5)	0 4...0 5 (M 2 5)
10 / 0 6 x 3 5	7 / 0 6 x 3 5
0 5...1 5	
0 5...1 5 / 0 5...1 5	

Dims. with BLZ socket connector, length 57 5 mm / height 50 mm

Type	Qty.	Order No.
WDU 2 5/BLZ/7 62	100	1038900000

2 5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1331100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
width [mm]			
WAP WDU1 5/BLZ/ZA	2 5	50	1577320000
WAP WDU1 5/BLZ	2 5	50	1577380000
WBB ZA WDU2 5/BLZ7 62		10	1073600000
WBB WDU2 5/BLZ7 62		10	1073500000
BLZ 7 62/4 SN OR		100	1623070000
BLZ 7 62/6 SN OR		50	1623090000
BLZ 7 62/8 SN OR		50	1623110000
WAD WDU1 5/BL		20	1577400000
BLZ-KO SW		50	1545710000

WS 12/6,5

WDK 2.5 BLZ/7.62 — 2.5 mm²

Double terminal pitch 7.62

7.6 x 58 x 53
20 / 4
0.13 ... 4

IEC 60947-7-1 / IEC 61984

IEC	UL	CSA	EN 60079-7
400			
18 5			
2 5			
6 / 3			
A3 / V-0			

Rated connection	pluggable connector
0 5...4 / 1 5...4	0 5...2 5 / 1 5...2 5
0 5...4 / 0 5...2 5	0 5...2 5 / 0 5...2 5
0 4...0 8 (M 2 5)	0 4...0 5 (M 2 5)
10 / 0 6 x 3 5	7 / 0 6 x 3 5
0 5...1 5	
0 5...1 5 / 0 5...1 5	

Dims. with BLZ socket connector, length 58 mm / height 63 5 mm

Type	Qty.	Order No.
WDK 2 5 BLZ/7 62/ZA	50	1038500000

2 5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1331100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
width [mm]			
WAP WDK2 5/BLZ/O ZA	5 1	20	1070000000
WAP WDK2 5/BLZ/O ZA	5 1	20	1070000000
WBB ZA WDK2 5/BLZ7 62		10	1072960000
WBB WDK2 5/BLZ7 62		10	1072860000
BLZ 7 62/4 SN OR		100	1623070000
BLZ 7 62/6 SN OR		50	1623090000
BLZ 7 62/8 SN OR		50	1623110000
BLZ 7 62/4B SN OR		100	1623400000
BLZ 7 62/6B SN OR		50	1623420000
BLZ 7 62/8B SN OR		50	1623440000
WAD WDU1 5/BL		20	1577400000
BLZ-KO SW		50	1545710000

WS 12/6,5 / WS 8/5

For external cross-connection WQB A, see section W-series accessories Electrical distribution

Terminals for temperature measuring circuits

Thermocouple terminals for temperature measuring circuits

WDU 2.5/TC — **2.5 mm²**

The installation instructions and the rated data for accessories in the technical information appendix must be taken into account for Ex e applications

Width x length x height with TS 35 x 7.5	mm	**10.2** x 60 x 50.5
max. current / max. cond. cross-section	A/mm²	**/ 2.5**
max. clamping range	mm²	**0.13 ... 2.5**

Technical data

IEC 60947-7-1 / IEC 60584 — Ex e II Ⓔx II 2 G D

Rated data		IEC	UL	CSA	EN 50019
Rated voltage	V				50
Rated current	A				1
Rated cross-section	mm²	2.5			2.5
Rated impulse withstand voltage / Pollution severity	kV/-		/ 3		
Plug gauge to IEC 60947-1 / flammability class to UL 94			A2 / V-0		
Approvals					SIRA 02ATEX3153U

Clamped conductors (H05V/H07V)		Rated connection
Solid / stranded	mm²	0.5...2.5 / 1.5...2.5
Flexible / flexible w. wire end ferrule	mm²	0.5...2.5 / 0.5...2.5
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)
Stripping length / blade size	mm / -	10 / 3.5 x 0.6
2 clamped conductors of equal cross-sect. (H05V/H07V)		
Solid / stranded	mm²	0.5...1.5
Flexible / flexible w. wire end ferrule	mm²	0.5...1.5 / 0.5...1.5
Note		

Ordering data

Version			Type	Qty	Order No.
Wemid, dark beige	(NiCr - Ni)	Type K	WDU 2.5/TC TYP K	50	1024100000
	(Cu - CuNi)	Type T	WDU 2.5/TC TYP T	50	1024200000
	(Fe-CuNi)	Type J	WDU 2.5/TC TYP J	50	1024300000
	(Pt 10% - Pt Rh/Pt 13% - Pt Rh)	Type SR	WDU 2.5/TC TYP SR	50	1024400000
	(Pt 10% Rh - Pt 6% Rh)	Type B	WDU 2.5/TC TYP B	50	1033700000
	(NiCr - CuNi)	Type E	WDU 2.5/TC TYP E	50	1033300000
	(NiSil - Nicrosil)	Type N	WDU 2.5/TC TYP N	50	1041500000
Note					

Accessories

End plate / partition plate		Type	Width [mm]	Qty	Order No.
End plate	Wemid, dark beige	WAP 2.5-10	1.5	50	1050000000
Partition	Wemid, dark beige	WAP 16+35 WTW 2.5-10	1.5	20	1050100000
End bracket			**Width [mm]**		
	Wemid, dark beige	WEW 35/2	8	100	1061200000

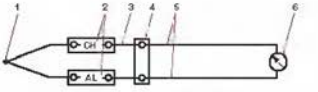
Marking systems (see large assortment in catalogue 7)		
	Tags	WS 12/5 / DEK 5

For detailed information on additional accessories and applications see chapter "Accessories".

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

Configuration of a temperature measuring circuit



1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference junction
5 Supply and return conductors
6 Measuring instrument

The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature measuring circuit.

Technical data

Thermocouples to IEC 584 (DIN 43 710)

	Current bar
	Cromel Alumel
	E-grade copper (ETP) / Constantan
	Iron Constantan
	E-copper/ A-grade copper
	S-grade copper (OFC) / E-copper
	Cromel- Constantan

Feed-through terminals
for retrofitting of electronic components

WPO 4 — **4 mm²**

Width x length x height with TS 35 x 7.5	mm	**6.1** x 60 x 47
max. current / max. cond. cross-section	A/mm²	**32 / 4**
max. clamping range	mm²	**0.13 ... 4**

Technical data

IEC 60947-7-1 / IEC 60584

Rated data	IEC	UL	CSA	EN 50019
Rated voltage	250	300	300	
Rated current	32	10	10	
Rated cross-section	4	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity	4 / 3			
Plug gauge to IEC 60947-1 / flammability class to UL 94	A3 / V-0			
Approvals				

Clamped conductors (H05V / H07V)		Rated connection
Solid / stranded	mm²	0.5...4 / 1.5...4
Flexible / flexible w. wire end ferrule	mm²	0.5...4 / 0.5...4
Tightening torque range (clamping screw)	Nm	0.5...1.0 (M3)
Stripping length / blade size	mm / -	9 / 3.5 x 0.6

Ordering data

Version	Type	Qty	Order No.
Wemid, dark beige	WPO 4	50	**1036000000**

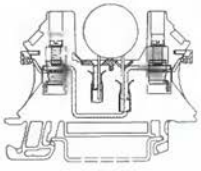
Note

Accessories

Intermediate frame	Type	Qty	Order No.
Thickness 2.5 mm	ZR	20	**1071100000**
Busbar			
	SSch 7.3x1.2	1m	**1071200000**
Marking systems (see large assortment in catalogue 7)			
Tags	WS 12/5 / DEK 6		

For detailed information on additional accessories and applications see chapter "Accessories".

WPO 4 with varistor



Weidmüller varistor terminals have been designed for the retrofitting of electronic components, e.g. varistors, diodes, gas discharge tubes, etc. These "electronic terminals" no longer have to be configured prior to installation for subsequent delivery with soldered components which can no longer be distinguished.

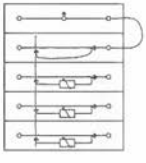
The significant advantages of this design are:

- **Cost saving:**
  Components can be changed quickly on site.

  Service requires only a visual inspection.
- **Clarity:**
  Components are easy to distinguish.
- **Flexibility:**
  Components can immediately be adapted to changed conditions.

Note:

Never change electronic components in energised systems!



Overvoltages in a 3-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

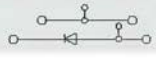
Terminals with electronic components

Modular terminals with electronic components are available for a number of standard applications. Other versions to customer specification are available upon request.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WDK 2.5/D	2.5 mm²	WDK 2.5/D/1	2.5 mm²
	Reverse polarity protection		Suppression circuit e. g. for contactor	

width x length x height with TS 35 x 7.5	mm	**5.1** x 69 x 63
max. current / max. conductor	A/mm²	**10 / 4**
max. clamping range	mm²	**0.05 ... 4**



Technical data

Rated data		IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300		400	300	300	
Rated current	A	10	10	10		10	10	10	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 26... 12		2.5	AWG 30... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3				6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0				A3 / V-0		
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A	1000 / 1				1000 / 1			
voltage LED / current LED	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**			**Rated connection**	**further connection**		
Solid / stranded	mm²	0.5...4 / 4...4				0.5...4 / 4...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)				0.4...0.6 (M 2.5)			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5				10 / 0.6 x 3.5			
Note		Rated current 10 A for continuous busbars only. Diode 1 N 4007				Rated current 10 A for continuous busbars only. Diode 1 N 4007			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration see circuit diagram above	dark beige Wemid	WDK 2.5 1D	25	8025610000	WDK 2.5 1D A1	25	1023400000
	dark beige Wemid (red LED)						
	dark beige Wemid (green LED)						
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)			2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	WQV 2.5/2	32	50	1053690000	WQV 2.5/2	32	50	1053690000
	3-pole	WQV 2.5/3	32	50	1053760000	WQV 2.5/3	32	50	1053760000
	4-pole	WQV 2.5/4	32	50	1053860000	WQV 2.5/4	32	50	1053860000
	10-pole	WQV 2.5/10	32	20	1054460000	WQV 2.5/10	32	20	1054460000
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	WAP WDK2.5	1.5	20	1059100000	WAP WDK2.5	1.5	20	1059100000
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	9006060000	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000	SD 0.6x3.5x100		1	9008330000
Labeling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 8/5				WS 8/5			

For detailed information on other accessories and applications see "Accessories"

WDK 2.5/D/2 — 2.5 mm²

Suppression circuit e. g. for contactor

5.1 x 69 x 63
10 / 4
0.05 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

1000 / 1

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	

Rated current 10 A for continuous busbars only: Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 1D A 2	25	1023300000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

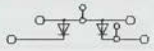
Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000

WS 8/5

WDK 2.5/D/4 — 2.5 mm²

Lamp test circuits

5.1 x 69 x 63
10 / 4
0.05 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

1000 / 1

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	

Rated current 10 A for continuous busbars only: Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 2D	25	8014670000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

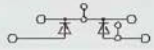
Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000

WS 8/5

WDK 2.5/D/5 — 2.5 mm²

Lamp test circuits

5.1 x 69 x 63
10 / 4
0.05 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 30... 12	AWG 26... 12	
	6 / 3		
	A3 / V-0		

1000 / 1

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	

Rated current 10 A for continuous busbars only: Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 2D	25	1022600000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000

WS 8/5

Terminals with electronic components

Modular terminals with electronic components are available for a number of standard applications. Other versions to customer specification are available upon request.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

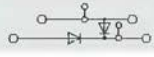
WDK 2.5/D/6 — 2.5 mm²

Lamp test circuits

WDK 2.5E w/o electronics — 2.5 mm²

For installing electronic components

width x length x height with TS 35 x 7.5	mm	**5.1** x 69 x 63	**5.1** x 69 x 63
max. current / max. conductor	A/mm²	**10 / 4**	**10 / 4**
max. clamping range	mm²	**0.05 ... 4**	**0.05 ... 4**



Technical data

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	10	10	10	
Rated cross-section	mm²	2.5	AWG 30... 12	AWG 26... 12	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					
Electronic fittings					
Diode reverse voltage / Diode current	V / A	1000 / 1			
voltage LED / current LED	V / mA / -				
Resistor / Varistor	-/V				
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**		
Solid / stranded	mm²	0.5...4 / 4...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5			
Note		Rated current 10 A for continuous busbars only.			

IEC 60947-7-1

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	10			
Rated cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			A3 / V-0		
Approvals					
Electronic fittings					
Diode reverse voltage / Diode current	V / A				
voltage LED / current LED	V / mA / -				
Resistor / Varistor	-/V				
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**		
Solid / stranded	mm²	0.5...4 / 4...4			
Flexible / Flexible with wire end ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque range (clamping screw)	Nm	0.4...0.6 (M 2.5)			
Stripping length / Blade size	mm / -	10 / 0.6 x 3.5			
Note		Rated current 10 A for continuous busbars only.			

Ordering data

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	WDK 2.5 2D	25	1023500000
see circuit diagram above	dark beige Wemid (red LED)			
	dark beige Wemid (green LED)			
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

Version		Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	WDK 2.5/D	100	1023200000
see circuit diagram above	dark beige Wemid (red LED)			
	dark beige Wemid (green LED)			
Note		2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

Accessories

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	WQV 2.5/2	32	50	1053690000
	3-pole	WQV 2.5/3	32	50	1053760000
	4-pole	WQV 2.5/4	32	50	1053860000
	10-pole	WQV 2.5/10	32	20	1054460000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	WAP WDK2.5	1.5	20	1059100000
End bracket			**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	1061200000
Screwdrivers					
	with cutting device "swifty set"	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 8/5			
For detailed information on other accessories and applications see "Accessories"					

Cross-connection (screwed)		Type	Current [A]	Qty.	Order No.
	2-pole	WQV 2.5/2	32	50	1053690000
	3-pole	WQV 2.5/3	32	50	1053760000
	4-pole	WQV 2.5/4	32	50	1053860000
	10-pole	WQV 2.5/10	32	20	1054460000
End plate / Partition plate			**width [mm]**		
	dark beige Wemid	WAP WDK2.5	1.5	20	1059100000
End bracket			**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	1061200000
Screwdrivers					
	with cutting device "swifty set"	SWIFTY SET		1	9006060000
	Standard	SD 0.6x3.5x100		1	9008330000
Labelling systems	(see large assortment in catalogue 7)				
	Marking tags	WS 8/5			
For detailed information on other accessories and applications see "Accessories"					

WDK 2.5 LD + - 2.5 mm²

DC voltage indicator + / -

5.1 x 69 x 63
10 / 4
0.13 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
	1 / 3		
	A3 / V-0		

24 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
WDK 2.5 LD ROT 1R 24VDC	25	1023600000
WDK 2.5 LD GR 1R 24VDC	25	8023610000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9008060000
SD 0.6x3.5x100		1	9008330000

WS 8/5

WDK 2.5 LD - + 2.5 mm²

DC voltage indicator - / +

5.1 x 69 x 63
10 / 4
0.13 ... 4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
	1 / 3		
	A3 / V-0		

24 / 5

Rated connection	further connection
0.5...4 / 4...4	
0.5...4 / 0.5...2.5	
0.4...0.6	
10 / 0.6 x 3.5	

Type	Qty.	Order No.
WDK 2.5 LD ROT 1R 24VDC	25	8023630000
WDK 2.5 LD GR 1R 24VDC	25	8010040000

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000
	width [mm]		
WAP WDK2.5	1.5	20	1059100000
	width [mm]		
WEW-35/2	8	100	1061200000
SWIFTY SET		1	9008060000
SD 0.6x3.5x100		1	9008330000

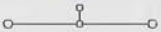
WS 8/5

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

AKZ 1.5 — 1.5 mm²

Feed-through terminal

width x length x height with TS 15 x 5.5 mm	**5.1** x 24.8 x 25
max. current / max. conductor A/mm²	**24 / 2.5**
max. clamping range mm²	**0.2 ... 2.5**



Technical data

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
250	150	300	17.5
17.5	15	10	10
1.5	AWG 22... 14	AWG 24... 16	1.5
	4 / 3		
	A1 / V2		

SIRA 02ATEX3001 U

Rated data	
Rated voltage (to adjacent terminal for PE) V	
Rated current A	
Rated cross-section mm²	
Rated impulse withstand voltage / Pollution severity kV/-	
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded mm²	
Flexible / Flexible with wire end ferrule mm²	
Tightening torque range (clamping screw) Nm	
Stripping length / Blade size mm / -	
2 clamped cables with same cross-section (H05V/H07V)	
Solid / stranded mm²	
Flexible / Flexible with wire end ferrule mm²	
Note	

Rated connection
0.5... 2.5 / 1.5... 1.5
0.5... 1.5 / 0.5... 1.5
0.4... 0.6 (M 2.5)
7 / 3.0 x 0.5
0.5... 1
0.5... 1 / 0.5... 0.75

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid (PA)	AKZ 1.5	100	0340460000
blue Wemid (PA)	AKZ 1.5 BL	100	0340480000
green/yellow Wemid (PA)			
Note	AKZ 1.5 order Nos 0340460000 and 0340480000 made from PA with V2 flammability rating to UL 94		

Accessories

Cross-connection	Type	Current [A]	Qty.	Order No.
(ZQV - pluggable / Q - screwed)				
2-pole	Q 2 AKZ1.5	24	50	0368200000
3-pole	Q 3 AKZ1.5	24	50	0368300000
4-pole	Q 4 AKZ1.5	24	50	0368400000
10-pole	Q 10 AKZ1.5	24	20	0368500000
20-pole				
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	AP AKZ1.5	1.5	50	0340560000
blue Wemid	AP AKZ1.5 BL	1.5	50	0340580000
Partition plate dark beige Wemid				
blue Wemid				
Trennscheibe				
End bracket		**width [mm]**		
dark beige	EW 15	10	50	0382360000
Testing / Checking				
Socket	STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
Test plug	PS 2.3 RT		20	0180400000
Marking systems (see large assortment in catalogue 7)				
Marking tags				
For detailed information on other accessories and applications see "Accessories"				

AKZ 2.5 — 2.5 mm²

Feed-through terminal

width x length x height with TS 15 x 5.5 mm	**5.1** x 25.5 x 26.5
max. current / max. conductor A/mm²	**32 / 4**
max. clamping range mm²	**0.13 ... 4**

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
250	300	300	17.5
24	10	10	15
2.5	AWG 22... 12	AWG 26... 10	2.5
	4 / 3		
	A3 / V2		

SIRA 02ATEX3001 U

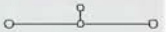
Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...2.5
0.4...0.6 (M 2.5)
7 / 3.0 x 0.5
0.5...1.5
0.5...1.5 / 0.5...1.5
Use of twin wire end ferrules on request

Type	Qty.	Order No.
AKZ 2.5	100	0697160000
AKZ 2.5 BL	100	0697180000

Type	Current [A]	Qty.	Order No.
Q 2 AKZ1.5	24	50	0368200000
Q 3 AKZ1.5	24	50	0368300000
Q 4 AKZ1.5	24	50	0368400000
Q 10 AKZ1.5	24	20	0368500000
	width [mm]		
AP AKZ2.5	2.5	50	0697360000
AP AKZ2.5 BL	2.5	50	0697380000
TW AKZ2.5	0.5	20	0318560000
TW AKZ2.5 BL	0.5	20	0318580000
	width [mm]		
EW 15	10	50	0382360000
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
PS 2.3 RT		20	0180400000

AKZ 4 — 4 mm²

6.1 x 27 x 30.5
41 / 6
0.13 ... 6



IEC 60947-7-1 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
32	27	10	21
4	AWG 22... 12	AWG 24... 12	4
	6 / 3		
	A3 / V2		
			SIRA 02ATEX3001 U

Rated connection
0.5...6 / 1.5...4
0.5...4 / 0.5...2.5
0.6...0.8 (M 3)
8 / 0.6 x 3.5
0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
AKZ 4	100	0294360000
AKZ 4 BL	100	0294380000

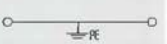
Type	Current [A]	Qty.	Order No.
Q 2 AKZ4	32	50	0336400000
Q 3 AKZ4	32	50	0336500000
Q 4 AKZ4	32	50	0336600000
Q 10 AKZ4	32	20	0336800000
	width [mm]		
AP AKZ4	1.5	20	0294460000
AP AKZ4 BL	1.5	20	0294480000
TW AKZ4	0.5	50	0343260000
TW AKZ4 BL	0.5	50	0343280000
TSCH 4 AKZ4	6	100	0383360000
	width [mm]		
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
PS 2.3 RT		20	0180400000

DEK 6

AKE 2.5 — 2.5 mm²

PE terminal

5.1 x 28 x 28
/ 4
0.13 ... 4



IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 22... 12	AWG 26... 12	2.5
	/ 3		
	A3 / V2		
			SIRA 02ATEX3001 U

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...2.5
0.4...0.6 (M 2.5)
7 / 3.0 x 0.5

Type	Qty.	Order No.
AKE 2.5	100	1303360000

Type	Current [A]	Qty.	Order No.
	width [mm]		
EW 15	10	50	0382360000

AKE 4 — 4 mm²

PE terminal

7 x 32 x 34.5
/ 4
0.13 ... 4

IEC 60947-7-2 — Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 22... 12	AWG 26... 12	4
	/ 3		
	A3 / V2		
			SIRA 02ATEX3001 U

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.0 (M 3)
9 / 0.6 x 3.5

Type	Qty.	Order No.
AKE 4	100	0382260000

Type	Current [A]	Qty.	Order No.
	width [mm]		
EW 15	10	50	0382360000

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

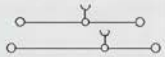
WDU 1.5/R 3.5 — 1.5 mm²

Feed-through terminal (V0)

WDK 1.5/R3.5 — 1.5 mm²

Double feed-through terminal (V0)

width x length x height with TS 15 x 5.5	mm	3.5 x 24.5 x 25	3.5 x 46.5 x 38.5
max. current / max. conductor	A/mm²	17.5 / 1.5	16 / 1.5
max. clamping range	mm²	0.13 ... 1.5	0.13 ... 1.5



Technical data

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (to adjacent terminal for PE) V	400	300	300	275
Rated current A	17.5	10	10	14
Rated cross-section mm²	1.5	AWG 26... 14	AWG 26... 16	1.5
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A1 / V-0			
Approvals	KEMA 99ATEX6545 U			

Clamped conductors (H05V/H07V)	Rated connection
Solid / stranded mm²	0.5... 1.5 / 1.5... 1.5
Flexible / Flexible with wire end ferrule mm²	0.5... 1.5 / 0.5... 1.5
Tightening torque range (clamping screw) Nm	0.3 (M 2)
Stripping length / Blade size mm / -	7 / 0.4 x 2.5
2 clamped cables with same cross-section (H05V/H07V)	
Solid / stranded mm²	0.5... 0.75
Flexible / Flexible with wire end ferrule mm²	0.5... 0.75 / 0.5... 0.5
Note	PZ 6/5 recommended as crimping tool for 1.5 mm² with wire end ferrule

IEC 60947-7-1 — Ex e II (Ex) II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (to adjacent terminal for PE) V	400	300	300	275
Rated current A	16	10	10	16
Rated cross-section mm²	1.5	AWG 26... 14	AWG 26... 16	1.5
Rated impulse withstand voltage / Pollution severity kV/-	4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	A1 / V-0			
Approvals	KEMA 99ATEX6545 U			

Clamped conductors (H05V/H07V)	Rated connection
Solid / stranded mm²	0.5... 1.5 / 1.5... 1.5
Flexible / Flexible with wire end ferrule mm²	0.5... 1.5 / 0.5... 1.5
Tightening torque range (clamping screw) Nm	0.3 (M 2)
Stripping length / Blade size mm / -	7 / 0.4 x 2.5
2 clamped cables with same cross-section (H05V/H07V)	
Solid / stranded mm²	0.5... 0.75
Flexible / Flexible with wire end ferrule mm²	0.5... 0.75 / 0.5... 0.5
Note	PZ 6/5 recommended as crimping tool for 1.5 mm² with wire end ferrule

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid (PA)	WDU 1.5/R3.5	100	1753280000
blue Wemid (PA)	WDU 1.5/R3.5 BL	100	1754170000
green/yellow Wemid (PA)			
Note			

Version	Type	Qty.	Order No.
dark beige Wemid (PA)	WDK 1.5/R3.5	100	1753290000
blue Wemid (PA)	WDK 1.5/R3.5 BL	100	1754180000
green/yellow Wemid (PA)			
Note			

Accessories

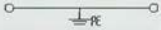
Cross-connection	Type	Current [A]	Qty.	Order No.
(ZQV - pluggable / Q - screwed) 2-pole	ZQV 1.5N/R3.5/2 GE	17.5	50	1754210000
3-pole	ZQV 1.5N/R3.5/3 GE	17.5	50	1754220000
4-pole	ZQV 1.5N/R3.5/4 GE	17.5	20	1754230000
10-pole	ZQV 1.5N/R3.5/10 GE	17.5	20	1754290000
20-pole				
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP WDU1.5/R3.5	1.5	20	1754190000
blue Wemid				
Partition plate dark beige Wemid				
blue Wemid				
Trennscheibe				
End bracket		**width [mm]**		
dark beige	EW 15	10	50	0382360000
Testing / Checking				
Socket				
Test plug				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5/3.5			
For detailed information on other accessories and applications see "Accessories"				

Cross-connection	Type	Current [A]	Qty.	Order No.
(ZQV - pluggable / Q - screwed) 2-pole	ZQV 1.5N/R3.5/2 GE	17.5	50	1754210000
3-pole	ZQV 1.5N/R3.5/3 GE	17.5	50	1754220000
4-pole	ZQV 1.5N/R3.5/4 GE	17.5	20	1754230000
10-pole	ZQV 1.5N/R3.5/10 GE	17.5	20	1754290000
20-pole				
End plate / Partition plate		**width [mm]**		
End plate dark beige Wemid	WAP WDK1.5/R3.5	1.5	20	1754200000
blue Wemid				
Partition plate dark beige Wemid				
blue Wemid				
Trennscheibe				
End bracket		**width [mm]**		
dark beige	EW 15	10	50	0382360000
Testing / Checking				
Socket				
Test plug				
Marking systems (see large assortment in catalogue 7)				
Marking tags	DEK 5/3.5			
For detailed information on other accessories and applications see "Accessories"				

WPE 1.5/R3.5 — 1.5 mm²

PE terminal (V0)

3.5 x 24.5 x 25
/ 1.5
0.13 ... 1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26... 18	AWG 26... 18	
	4 / 3		
	A1 / V-0		

Rated connection

0.5...1.5 / 1.5...1.5
0.5...1.5 / 0.5...1.5
0.3 (M 2)
7 / 0.4 x 2.5

PZ 6/5 recommended as crimping tool for 1.5 mm² with wire end ferrule

Type	Qty.	Order No.
WPE 1.5/R3.5	100	1798460000

Type	Current [A]	Qty.	Order No.
	width [mm]		
WAP WDU1.5/R3.5	1.5	20	1754190000
	width [mm]		
EW 15	10	50	0382860000

DEK 5/3.5

Stud terminals

Power transmission
Weidmüller's extensive range of stud terminals offers secure connections for all applications which entail a transmission of energy. The connection range extends from 10 mm² to 300 mm² and is available for TS 35 or TS 32 DIN Rail Mounting.

The conductors are applied to the threaded studs by means of crimped cable lugs, and then securely connected by tightening the hex nut. Stud terminals can be used with threaded studs M5 to M16, depending on the conductor cross-section.

Maximum safety is guaranteed by low through resistance and self-extinguishing material in flammability class V-0 (UL94).

All stud terminals are tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; RIA 20) and comply with these requirements.

Handling
To connect the conductors, cable lugs are crimped to the ends of the conductors. The cable lugs are placed on the stud between the washer on the terminal carrier and toothed washer. The backs of the cable lugs lie against each other. The hex nuts are tightened to press the lugs of the cable lugs against each other for secure contact.

In addition, a third conductor can be positioned from the opposite connection direction.

Series WF / WFF
- for voltage ranges up to 1000 V
- also suitable for up to 2300 V and 520 A when using special epoxy resin partition plates

Single stud terminals WF
- 4 conductors can be securely connected without any problems
- 3 conductors even without restricting the rating data

Twin-stud terminals WFF
- integrated hinged head

Series ST 4000
- for voltage ranges up to 4000 V and currents up to 415 A
- for extreme demands, particularly in railway applications

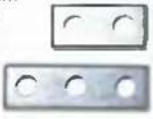
Accessories
We also offer extensive accessories for our stud terminals, with detailed descriptions on the following pages.

Product overview

Thread size	M5	M6	M8	M10	M12	M16
Single-stud terminals – WF	•	•	•	•	•	
Two-stud terminals – WF 2 BZ		•	•	•		
Two-stud terminals – WFF		•	•	•	•	•
Two-stud terminals – ST 4000 (up to 4000 V)			•	•	•	

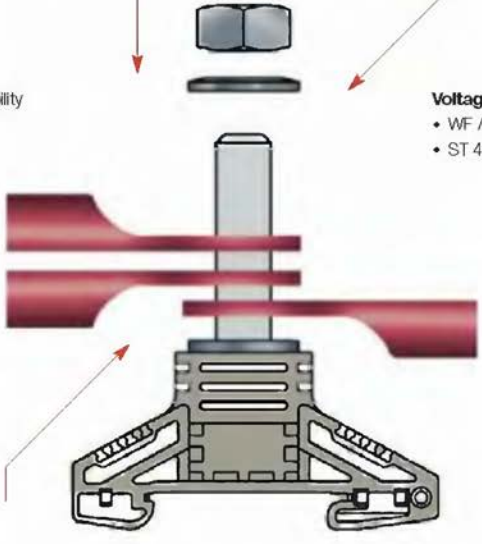
Stud connection
- Stud size M5 to M16
- Conductor with cable lug to DIN 46234 up to 240 mm²
  to DIN 46235 up to 300 mm²
- 3 cable lugs possible per stud , even 4 cable lugs with the WF-Series

Cross connections
- Faster electrical distribution for clear time savings
- Can be used for all stud terminals
- Available in 2, 3 and 4-poles version
- Electrical distribution possible between different sizes (from WF6 to WF8 and to WF10)



Easy to use
- Cable lugs placed on washer on stud
- Washer and toothed washer placed on top
- Steel nut tightened to create contact between cable lugs and – if applicable – busbar

Wemid clamp support
- Non-tracking, CTI 600
- Thermally stable up to 120°C
- Self-extinguishing V0 flammability class to UL94
- No hazardous substances
- Low smoke and fume.
- Complies with the requirements of DIN 5510 part 2, railway standard NFF 16-101 and BS 6853



Voltage range
- WF / WFF up to 2.300 V
- ST 4000 up to 4.000 V

Reliable contact
- Maintenance free, no need to retighten the nuts
- Toothed washer for vibration-proof, high strength contact
- Cable lugs contact directly or via a highly conductive busbar

"Toothed" washer with protective coating.

Safe to use

Shock protection
- in WF with partition plates and transparent cover strips
- in WFF with locking cover for each connection
- in ST 4000 with screw-on polycarbonate cover

Standards

Fulfil requirements for standard terminals and specific railway standards
- EN 60 947-7-1
- EN 50124-1
- DIN EN 61373
- RIA 20
- EN 50343
- NF F 61-017

Stud terminals - Accessories

Series WF and WFF

Electrical distribution

Electrical distribution can be realised between neighbouring stud terminals easily with 2 and 3 poles cross-connections. Cross-connections are also available for different thread sizes from M6 to M8 or M10. In the WFF two-stud terminals, firstly the partition plates have to be removed between the clamped supports. The thin web of material means they can be broken out easily to fit.

Shock protection

The two-stud terminals in the WF-Series offer with an integrated hinged cover a high degree of finger safety. When closed, the cover locks onto the terminal and protects the contact from accidental contact.

Shock protection / partition plates

Shock protection in the WF-Series is provided by partition plates WTW and transparent cover strips ADP. The cover strips are locked into the guides of the partition plates and held with clips to prevent them slipping to the side. Partition plates ensure compliance with the rated voltage:

- Voltage range up to 1000 V with partition plate WTW WF
- Voltage range up to 2300 V for WF with epoxy partition plate WTW WF 2300

Connection

Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. A normal open-ended spanner can be used to tighten the hex screw and complete installation.

Series ST 4000

Shock protection

Stud terminals in the ST 4000 series offer an ideal cover for every version. The polycarbonate cover is placed between the partition plates and fastened to the stud with the plastic-coated fixing nut.

Fixing nuts are available to fit every stud size.

Potential distribution

When two neighbouring ST 4000 terminals have the same current, cross-connectors are fitted instead of the busbar.

The pairs of holes in the cross-connection are rated exactly to the spacing of ST 4000.

Here the partition plate has to be replaced by the connecting piece ST 4000/S C130 or ST 4000/L C160.

Cross-connections are available as 2, 3 or 4-poles.

Connection

Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. Tighten the steel hexagonal nut to ensure good contact between cable lug and busbar.

The same principle applies when two cable lugs contact on one stud or slotted hole cable lugs are used.

Slotted hole cable lugs can also be placed over both studs.

Single-stud terminals

WF series

	WF 5	16 mm²	WF 6	35 mm²
	Screw thread M5		Screw thread M6	
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.				
width x length x height with TS 35 x 7.5 mm	**13** x 67 x 54		**19.6** x 67 x 56	
max. current / max. conductor A/mm²	**76 / 16**		**125 / 35**	
max. clamping range mm²	**0.1 ... 16**		**2.5 ... 35**	

Technical data

Rated data with Wemid partition plate		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	1000	1000		1000	1000	1000	
Rated current	A	76	85	85		125	t t5	150	
Rated cross-section	mm²	16	AWG t0... 4	AWG 10... 4		35	AWG 14... 2	AWG t4... 2	
Rated impulse withstand voltage / Pollution severity	kV/-			8 / 3				8 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class				/ V-0				/ V-0	
Approvals									
Rated data with epoxy resin partition plate									
Rated voltage / Rated impulse withstand voltage	V/kV	EN 50124				EN 50124			
Clamped cable lugs									
DIN 46234 / 1 cable lug per side	mm²	0.1... 16				2.5... 35			
DIN 46234 / 2 cable lugs per side	mm²	0,t... 16				2.5... 35			
DIN 46235 / t cable lug per side	mm²	6... t0				6... 35			
DIN 46235 / 2 cable lugs per side	mm²	6... t0				6... 25			
Tightening torque range	Nm	2 0... 4.0				3 0... 6 0			
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	WF 5	25	t790t30000	WF 6	25	t780850000
	blue Wemid						
Variation with hood	dark beige Wemid						
Note							

Accessories

Cross-connection		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	WQL 2 WF5	76	5	t812710000	WQL 2 WF6	t25	5	t780970000
	3-pole	WQL 3 WF5	76	5	t812740000	WQL 3 WF6 - t=4mm	t25	5	t780980000
Partition plate			width [mm]				width [mm]		
up to 1000 V	dark beige Wemid	WTW WF6-WF12	2 5	20	t781240000	WTW WF6	2	20	t781220000
up to 1000 V for insulated cable lugs	dark beige Wemid								
up to 2300 V	beige epoxy resin	WTW WF6 2300	2	20	t781230000	WTW WF6 2300	2	20	t781230000
End bracket			width [mm]				width [mm]		
	dark beige Wemid	WEW-35/2	8	100	t061200000	WEW-35/2	8	100	t061200000
Protection against electric shock									
	Cover profile, transparent	ADP WF5/WF8		1	t780930000	ADP WF5/WF8		1	t780930000
	Holder for cover profile, transparent	HA ADP WF6/WF t0		t0	t781050000	HA ADP WF6/WF t0		10	t781050000
	Hood, dark beige Wemid								
Warning triangle for power supply terminals									
	with lightning flash symbol								
Marking systems (see large assortment in catalogue 7)									
	Marking tags	WS 12/5				WS 10/6			
For detailed information on other accessories and applications see "Accessories"		With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1				With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1			

WF 8 — 50 mm²

Screw thread M8

24.6 x 67 x 65
150 / 50
2.5 ... 50

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150	150	200	
50	AWG 14... 1/0	AWG 14... 1/0	
	8 / 3		
	/ V-0		
EN 50124			

2.5... 50
2.5... 50
6... 35
6... 35
6 0... 12

Type	Qty.	Order No.
WF 8	25	1780860000

Type	Current [A]	Qty.	Order No.
WQL 2 WF6-8	150	5	1808980000
WQL 3 WF8	150	5	1781000000
	width [mm]		
WTW WF8	2	20	1780900000
WTW WF8 2300	2	20	1780910000
	width [mm]		
WEW-35/2	8	100	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000

WS 10/6

With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1

WF 10 — 120 mm²

Screw thread M10

35.6 x 67 x 74
269 / 120
6 ... 120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10... kcmil 250	AWG 10... kcmil 250	
	8 / 3		
	/ V-0		
EN 50124			

6... 120
6... 120
10... 95
10... 95
10... 20

Type	Qty.	Order No.
WF 10	20	1780870000

Type	Current [A]	Qty.	Order No.
WQL 2 WF6-10	269	5	1806620000
WQL 3 WF6-10/2	269	5	1806640000
	width [mm]		
WTW WF10/WF12	2	20	1780890000
WTW WF10/WF12 2300	2	20	1780920000
	width [mm]		
WEW-35/2	8	100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

WS 10/6

With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1

WF 12 — 120 mm²

Screw thread M12

35.6 x 67 x 72
269 / 120
6 ... 120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10... kcmil 250	AWG 10... kcmil 250	
	8 / 3		
	/ V-0		
EN 50124			

6... 120
6... 120
10... 95
10... 95
14... 31

Type	Qty.	Order No.
WF 12	20	1780880000

Type	Current [A]	Qty.	Order No.
WQL 2 WF12	269	5	1781030000
WQL 3 WF12	269	5	1781040000
	width [mm]		
WTW WF10/WF12	2	20	1780890000
WTW WF10/WF12 2300	2	20	1780920000
	width [mm]		
WEW-35/2	8	100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

WS 10/6

With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1

WF 2BZ

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		WF 6/2BZ 35 mm²	WF 8/2BZ 50 mm²
		Screw thread M6	Screw thread M8
width x length x height with TS 35 x 7.5	mm	19.6 x 67 x 56	24.6 x 67 x 65
max. current / max. conductor	A/mm²	125 / 35	150 / 50
max. clamping range	mm²	2.5 ... 35	2.5 ... 50

Technical data

		WF 6/2BZ				WF 8/2BZ			
Rated data with Wemid partition plate		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	1000	1000		1000	1000	1000	
Rated current	A	125	115	150		150	150	200	
Rated cross-section	mm²	35	AWG 14... 2	AWG 14... 2		50	AWG 14... 1/0	AWG 14... 1/0	
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Rated data with epoxy resin partition plate		EN 50124				EN 50124			
Rated voltage / Rated impulse withstand voltage	V/kV								
Clamped cable lugs									
DIN 46234 / 1 cable lug per side	mm²	2.5... 35				2.5... 50			
DIN 46234 / 2 cable lugs per side	mm²	2.5... 35				2.5... 50			
DIN 46235 / 1 cable lug per side	mm²	6... 25				6... 35			
DIN 46235 / 2 cable lugs per side	mm²	6... 25				6... 35			
Tightening torque range	Nm	3.0... 6.0				6.0... 12			
Note									

Ordering data

		WF 6/2BZ			WF 8/2BZ		
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	WF 6/2BZ	25	1789770000	WF 8/2BZ	25	1789780000
	blue Wemid						
Variation with hood	dark beige Wemid						
Note							

Accessories

		WF 6/2BZ				WF 8/2BZ			
Cross-connection		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	WQL 2 WF6	125	5	1780970000	WQL 2 WF8	150	5	1780990000
	3-pole	WQL 3 WF6 - t=4mm	125	5	1780980000	WQL 3 WF8	150	5	1781000000
Partition plate			width [mm]				width [mm]		
up to 1000 V	dark beige Wemid	WTW WF10/WF12	2	20	1780890000	WTW WF10/WF12	2	20	1780890000
up to 1000 V for insulated cable lugs	dark beige Wemid								
up to 2300 V	beige epoxy resin	WTW WF6 2300	2	20	1781230000	WTW WF8 2300	2	20	1780910000
End bracket			width [mm]				width [mm]		
	dark beige Wemid	WEW-35/2	8	100	1061200000	WEW-35/2	8	100	1061200000
Protection against electric shock									
	Cover profile, transparent	ADP WF10/WF12		1	1780940000	ADP WF10/WF12		1	1780940000
	Holder for cover profile, transparent	HA ADP WF6/WF10		10	1781050000	HA ADP WF6/WF10		10	1781050000
	Hood, dark beige Wemid								
Warning triangle for power supply terminals									
	with lightning flash symbol								
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 12/5				WS 12/5			
For detailed information on other accessories and applications see "Accessories"		With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1				With WTW : 2300 made from epoxy resin rated current 2300 V according to prelim. EN 50124 pt 1			

WF 10/2BZ — 120 mm²

Screw thread M10

35.6 x 67 x 74
269 / 120
6 ... 120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	230	320	
120	AWG 10... kcmil 250	AWG 10... kcmil 250	
	8 / 3		
	/ V-0		

EN 50124

6... 120
6...120
10... 95
10... 95
10... 20

Type	Qty.	Order No.
WF 10/2BZ	20	1789790000

Type	Current [A]	Qty.	Order No.
WQL 2 WF10	269	5	1781010000
WQL 3 WF10	269	5	1781020000
	width [mm]		
WTW WF10/WF12	2	20	1780890000
WTW WF10/WF12 2300	2	20	1780920000
	width [mm]		
WEW-35/2	8	100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

WS 12/5

With WTW : 2300 made from epoxyresin, rated current 1500 V up to 70 mm² according to prakn. EN 50124 pt 1

WFF series

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

	WFF 35	WFF 70
	35 mm²	70 mm²
	Screw thread M6	Screw thread M8
width x length x height with TS 35 x 7.5 mm	27 x 107 x 54.5	32 x 132 x 64
max. current / max. conductor A/mm²	150 / 50	232 / 95
max. clamping range mm²	2.5 ... 50	2.5 ... 95

Technical data

	WFF 35				WFF 70			
	Ex e II Ex II 2 G D				Ex e II Ex II 2 G D			
Rated data with Wemid partition plate	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	600	1100	1000	1000	600	1100
Rated current A	125	115	130	109	192	175	170	167
Rated cross-section mm²	35	AWG 14... 2	AWG 14... 2	35	70	AWG 14... 2/0	AWG 14... 2/0	70
Rated impulse withstand voltage / Pollution severity kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class	/ V-0				/ V-0			
Approvals	KEMA 98ATEX1684 U				KEMA 98ATEX1684 U			
Rated data with epoxy resin partition plate	EN 50124				EN 50124			
Rated voltage / Rated impulse withstand voltage V/kV								
Clamped cable lugs								
DIN 46234 / 1 cable lug per side mm²	2.5... 50				2.5... 95			
DIN 46234 / 2 cable lugs per side mm²	2.5... 35				2.5... 70			
DIN 46235 / 1 cable lug per side mm²	6... 25				16... 70			
DIN 46235 / 2 cable lugs per side mm²	6... 25				16... 70			
Tightening torque range Nm	3.0... 6.0				6.0... 12			
Note								

Ordering data

Version	WFF 35			WFF 70		
	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	WFF 35	10	1028300000	WFF 70	10	1028400000
blue Wemid	WFF 35 BL	10	1028380000	WFF 70 BL	10	1028480000
Variation with hood dark beige Wemid	WFF 35/AH	5	1029300000	WFF 70/AH	5	1029400000
Note				The rated voltage is reduced to 800 V when using a cable lug to DIN 46234 with 70 and 95 mm².		

Accessories

Cross-connection	WFF 35				WFF 70			
	Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
2-pole	WQL 2 WFF35	125	5	1064900000	WQL 2 WFF70	192	5	1065000000
3-pole	WQL 3 WFF35	125	5	1065400000	WQL 3 WFF70	192	5	1065500000
Partition plate		width [mm]				width [mm]		
up to 1000 V dark beige Wemid	WTW WFF35	2	10	1067100000	WTW WFF70	2	10	1067200000
up to 1000 V for insulated cable lugs dark beige Wemid								
up to 2300 V beige epoxy resin								
End bracket		width [mm]				width [mm]		
dark beige Wemid	WEW 35/1	12	50	1059000000	WEW 35/1	12	50	1059000000
Protection against electric shock								
Cover profile, transparent								
Holder for cover profile, transparent								
Hood, dark beige Wemid	WAH 35		20	1064460000	WAH 70 BE		20	1064560000
Warning triangle for power supply terminals								
with lightning flash symbol	WD 1 25 K KARTE A 6 ST		5	1563900000	WD 1 25 K KARTE A 6 ST		5	1563900000
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 12/6,5				WS 12/6,5			
For detailed information on other accessories and applications see "Accessories"	WAH 35 in blue, order No. 1064480000				WAH 70 in blue, order No. 1064580000			

WFF 120 — 120 mm²

Screw thread M10

42 x 132 x 73
309 / 150
6 ... 150

Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	310	310	234
120	AWG 10... kcmil 250	AWG 10... kcmil 250	120
8 / 3			
/ V-0			
			KEMA 98ATEX1684 U
EN 50624			

6... 150
6...120
16... 150
16... 120
10... 20

Type	Qty.	Order No.
WFF 120	5	1028500000
WFF 120 BL	5	1028580000
WFF 120/AH	4	1029500000

Type	Current [A]	Qty.	Order No.
WQL 2 WFF120	269	5	1065100000
WQL 3 WFF120	269	5	1065600000
	width [mm]		
WTW WFF120	2	10	1067300000
	width [mm]		
WEW 35/1	12	50	1059000000
WAH 120		20	1064660000
WD 1 25 K KARTE A 6 ST		5	1563900000

WS 12/6,5
WAH 120 in blue, order No. 1064650000

WFF 185 — 185 mm²

Screw thread M12

55 x 163 x 79
415 / 240
10 ... 240

Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
353	380	360	307
185	AWG 8... kcmil 500	AWG 8... kcmil 500	185
8 / 3			
/ V-0			
			KEMA 98ATEX1684 U
EN 50624			

10... 240
10... 185
25... 240
25... 185
14... 31

Type	Qty.	Order No.
WFF 185	4	1028600000
WFF 185 BL	4	1028680000
WFF 185/AH	2	1029600000

Type	Current [A]	Qty.	Order No.
WQL 2 WFF185	353	5	1065200000
WQL 3 WFF185	353	5	1065700000
	width [mm]		
WTW WFF185/300	2	10	1067400000
	width [mm]		
WEW 35/1	12	50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000

WS 12/6,5
WAH 185/300 in blue, order No. 1064780000

WFF 300 — 300 mm²

Screw thread M16

55 x 163 x 86
520 / 300
25 ... 300

Ex e II (Ex) II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
520	500	510	452
300	AWG 6... kcmil 600	AWG 6... kcmil 600	300
8 / 3			
/ V-0			
			KEMA 98ATEX1684 U
EN 50624			

25... 240
25... 240
50... 300
50... 240
25... 60

Type	Qty.	Order No.
WFF 300	4	1028700000
WFF 300 BL	4	1028780000
WFF 300/AH	2	1029700000

Type	Current [A]	Qty.	Order No.
WQL 2 WFF300	520	5	1065300000
WQL 3 WFF300	520	5	1065800000
	width [mm]		
WTW WFF185/300	2	10	1067400000
	width [mm]		
WEW 35/1	12	50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000

WS 12/6,5
WAH 185/300 in blue, order No. 1064780000

ST4000 (up to 4 kV)

	ST 4000/S M8	120 mm²	ST 4000/S M10	120 mm²
	Screw thread M8		Screw thread M10	
width x length x height with TS 35 x 7.5 mm	40 x 150 x 84		40 x 150 x 84	
max. current / max. conductor A/mm²	269 / 120		269 / 120	
max. clamping range mm²	1.5 ... 120		4 ... 120	

Technical data

Rated data with Wemid partition plate		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	4000				4000			
Rated current	A	269				269			
Rated cross-section	mm²	120				120			
Rated impulse withstand voltage / Pollution severity	kV/-			30 / 3				30 / 3	
Gauge to IEC 60947-1 / UL94 Flammability class				/ V-0				/ V-0	
Approvals									
Clamped cable lugs		EN 50124				EN 50184			
DIN 46234 / 1 cable lug per side	mm²	1.5 - 120				4 - 120			
DIN 46234 / 2 cable lugs per side	mm²								
DIN 46235 / 1 cable lug per side	mm²	16... 70							
DIN 46235 / 2 cable lugs per side	mm²								
Tightening torque range	Nm	6 0... 12				10...20			
Note		Rated voltage when using cable lugs to DIN 46234				Rated voltage when using cable lugs to DIN 46234			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	red	ST 4000/S M8	25	1809110000	ST 4000/S M10	25	1809130000
	with internal thread	ST 4000/S M8 F	25	1809120000	ST 4000/S M10 F	25	1809140000
Note		Weidmüller can prepare drawings for a ST 4000 application to customer specification			Weidmüller can prepare drawings for a ST 4000 application to customer specification		

Accessories

Cross-connection		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ST 4000/S J2 M8	269	100	1809310000	ST 4000/S J2 M10	269	100	1809340000
	3-pole	ST 4000/S J3 M8	269	50	1809320000	ST 4000/S J3 M10	269	50	1809350000
	4-pole	ST 4000/S J4 M8	269	25	1809330000	ST 4000/S J4 M10	269	25	1809360000
Current bar			Type				Type		
Connection between screws	M8 / 4 mm thick	ST 4000/S CB M8/4		100	1809250000				
on a terminal	M10 / 4 mm thick					ST 4000/S CB M10/4		100	1809260000
	M10 / 6 mm thick					ST 4000/S CB M10/6		100	1809270000
	M12 / 4 mm thick								
	M12 / 6 mm thick								
Connecting piece									
For positioning 2 terminals adjacent	130 mm long	ST 4000/S C130		50	1809230000	ST 4000/S C130		50	1809230000
to each other without partition plates	160 mm long								
Partition plate			width [mm]				width [mm]		
	150 mm long	ST 4000/S P150	10	50	1809190000	ST 4000/S P150	10	50	1809190000
	180 mm long								
End bracket			width [mm]				width [mm]		
for end of terminal block	150 mm long	ST 4000/S E150	10	50	1809210000	ST 4000/S E150	10	50	1809210000
	180 mm long								
Protection against electric shock									
	150 mm long	ST 4000/S S150		20	1809470000	ST 4000/S S150		20	1809470000
	180 mm long								
with internal thread	Fixing nut								
Marking systems	(see large assortment in catalogue 7)								
	Marking tags								
For detailed information on other accessories and applications see "Accessories"									

ST 4000/L M10 — 150 mm²

Screw thread M10

55 x 180 x 90
309 / 150
10 ... 150

IEC	UL	CSA	EN 60079-7
4000			
309			
150			
	30 / 3		
	/ V-0		

EN 50124
10 - 150
25 - 150
10... 20

Rated voltage when using cable lugs to DIN 46234

Type	Qty.	Order No.
ST 4000/L M10	15	1809150000
ST 4000/L M10 F	15	1809160000

Weidmüller can prepare drawings for a ST 4000 application to customer specification

Type	Current [A]	Qty.	Order No.
ST 4000/L J2 M10	309	50	1809370000
ST 4000/L J3 M10	309	50	1809380000
ST 4000/L J4 M10	309	25	1809390000
	Type		
ST 4000/LCB M10/4		100	1809280000
ST 4000/LC160		50	1809240000
	width [mm]		
ST 4000/LP180	10	50	1809200000
	width [mm]		
ST 4000/LE180	10	50	1809220000
ST 4000/LS180		50	1809480000

ST 4000/L M12 — 240 mm²

Screw thread M12

55 x 180 x 90
415 / 240
10 ... 240

IEC	UL	CSA	EN 60079-7
4000			
415			
240			
	30 / 3		
	/ V-0		

EN 50124
10... 240
25... 240
14... 31

Rated voltage when using cable lugs to DIN 46234

Type	Qty.	Order No.
ST 4000/L M12	15	1809170000
ST 4000/L M12 F	15	1809180000

Weidmüller can prepare drawings for a ST 4000 application to customer specification

Type	Current [A]	Qty.	Order No.
ST 4000/L J2 M12	415	50	1809400000
ST 4000/L J3 M12	415	50	1809410000
ST 4000/L J4 M12	415	25	1809420000
	Type		
ST 4000/LCB M12/4		100	1809290000
ST 4000/LCB M12/6		100	1809300000
ST 4000/LC160		50	1809240000
	width [mm]		
ST 4000/LP180	10	50	1809200000
	width [mm]		
ST 4000/LE180	10	50	1809220000
ST 4000/LS180		50	1809480000

Extra functions

Weidmüller offers the user of W-Series terminals a comprehensive range of accessories, providing optimum solutions to every conceivable task – even outside the range of standard functions.
All Weidmüller accessories are built to the same quality standards as the terminals themselves.

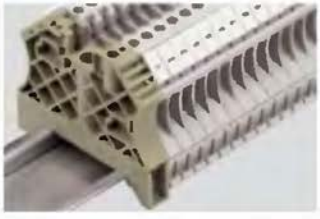
Visual separation – Side covers Page E.98

To guarantee "finger-safe" use of terminals, the open sides are covered with end plates and partition plates to prevent any contact with conducting parts.
End plates and partition plates also come in different colours so that they can be used for visual separation of different circuits.

Labelling Page E.116

Weidmüller's labelling systems in **chapter F** are used to label screw terminals. Individual clamping points, terminal groups and conductors can be marked. The cover (WAD) can also be used for labelling mains supply points (see **page E.116**).

Fastening Page F.26



An end bracket is fitted on the terminal rail to the right and left of the terminals to ensure that they sit firmly in position. The marking surface of the end bracket can also be used for group marking. Details of the wide range of Weidmüller end brackets and mounting rails are given in **Chapter F.**

Power supply Page E.102

For the W-Series, power is supplied via standard terminals in conjunction with a special cross-connection, which directly connects terminals for larger and smaller cross-sections (the picture shows WDU 35 on WDU 4).
It is possible to form a link to screw-in cross-connections of smaller cross-sections (WQV 2.5/4/6). This extends current distribution to any number of other terminals of the smaller cross-section.

Current distribution Page E.104

A screw-in and a plug-in cross-connection system is available for Weidmüller screw terminals. The plug-in **cross-connection (ZQV)** for screw terminals is unique. It enables considerable reductions in assembly times. The plug-in cross-connections can be used for nearly all W-Series terminals in the cross-section ranges 2.5 and 4 mm².

Connecting Chapter F

Conductors are connected into Weidmüller terminals using standard screwdrivers, as shown in **chapter F, page F.66**.

Testing Page E.113

The slot-in test adapter (WTA) is used as both a single unit and a test adapter strip for measurement in control cabinets. The test adapter is ideal for convenient, rational testing of assembled terminals. However, tests with socket and test plug are also always possible (page E.113).

Specific functions / colour variations Page E.117

Further helpful accessories are available for terminals using screw clamp technology, such as:

- Pluggable fuse holder (SIHA 1 and SIHA 2)
- Screen plug (LS), short-cir. plug (WDS)
- Extension connectors (WZAD)
- PEN bridges
- Accessories for disconnect test terminals
- Terminals in various colours
- Pre-fitted **terminal blocks**

Accessories – Visual separation / side covers

End plates

Shock protection
With only a few exceptions, the final terminal in a terminal assembly must be covered with an end plate type WAP/AP. End plates are also to be inserted in a terminal assembly with different sized terminals. This guarantees shock protection from conducting parts and ensures that the terminals are "finger-safe" (DIN VDE 0106-100).

Visual separation
Coloured end plates are frequently used for visual separation of power circuits.

Ensure correct operating voltage
End plates can also be used to ensure the necessary creepage and clearances paths are present to make sure that the rated voltage for the application is provided. For example, cross-connections can be set directly next to each other.

Identical contours
The outer dimensions of the end plates correspond to the dimensions of the terminal.

Mounting
The end plate can be simply clipped onto the corresponding terminal.
Recesses in the terminals ensure that contours are identical with correct positioning.
All colours have flammability class UL 94 V0.

Type	Colour	Qty	Order No.	For terminal:		
thickness 1.5 mm						
WAP 2.5-10	dark beige	50	1050000000	WDU 1.5/ZZ	WTR 2.5/SI	WPE 1.5/ZZ
WAP 2.5-10 BL	blue	50	1050080000	WDU 2.5/1.5/ZR	WTR 4/SI	WPE 2.5/1.5/ZR
WAP 2.5-10 OR	orange	50	1050060000	WDU 2.5	WSI 6	WPE 2.5
WAP 2.5-10 BR	brown	50	1050070000	WDU 4	WSI 6/2...	WNT 2.5
WAP 2.5-10 GE	yellow	50	1050020000	WDU 6	WDU 2.5 F	WNT 4
WAP 2.5-10 GN	green	50	1072200000	WDU 10	WDU 2.5 FF	WNT 6
WAP 2.5-10 GR	grey	50	1050050000	WTR 2.5	WDU 4 SL	WNT 10
WAP 2.5-10 RT	red	50	1050040000	WTR 2.5 STB	WDU 6 SL	WDU 2.5/TC...
WAP 2.5-10 SW	black	50	1050010000	WTR 2.5 D	WDU 10 SL	WPO 4
WAP 2.5-10 VI	violet	50	1072210000	WTR 4	WTR 4 SL	
WAP 2.5-10 WS	white	50	1050090000	WTR 4 STB	WTR 4 SI SL	
thickness 1.5 mm						
WAP 16-35 WTW 2.5-10	dark beige	20	1050100000	WDU 16		
WAP 16-35 WTW 2.5-10 BL	blue	20	1050180000	WDU 35		
WAP 16-35 WTW 2.5-10 OR	orange	20	1050160000			
WAP 16+35 WTW 2.5-10 GN	green	20	1834050000			
WAP 16+35 WTW 2.5-10 GE	yellow	20	1839840000			
WAP 16+35 WTW 2.5-10 GR	grey	20	1879140000			
thickness 1.5 mm						
WAP WDK 2.5	dark beige	20	1059100000	WDK 2.5	WDK 2.5 PE	WDK 2.5 D...
WAP WDK 2.5 BL	blue	20	1059180000	WDK 2.5 ZQV	WDK 2.5 F	WDK 2.5 LD...
WAP WDK 2.5 GN	green	20	1059140000	WDK 2.5 V	WDK 2.5 PV	
WAP WDK 2.5 GE	yellow	20	1834040000	WDK 2.5 DU-PE	WDK 2.5 FF	
thickness 1.5 mm						
WAP WTR 2.5/ZZ	dark beige	20	1074600000	WTR 2.5/ZZ		
WAP WTR 2.5/ZZ BL	blue	20	1074630000			
thickness 1.5 mm						
WAP WDU/WTR4/ZR	dark beige	50	1905070000	WTR 4/...		
WAP WDU/WTR4/ZZ	dark beige	50	1905150000			
thickness 1.5 mm						
WAP WTR 4N SL	dark beige	20	7924830000	WTR 4N SL		
thickness 1.5 mm						
WAP WDL 2.5/S	dark beige	20	1067700000	WDL 2.5/S...		
thickness 1.5 mm						
WAP WDL 2.5	dark beige	20	1067800000	WDL 2.5...		
thickness 2.5 mm (... ZA = with pivot))						
WAP WDU 1.5/BLZ/ZA	dark beige	50	1577320000	WDU 1.5/BLZ...		
WAP WDU 1.5/BLZ	dark beige	50	1577330000			
thickness 2.5 mm (... ZA = with pivot))						
WAP WDK 2.5/BLZ/ZA	dark beige	20	1070100000	WDK 2.5/BLZ...		
WAP WDK 2.5/BLZ	dark beige	20	1070000000			
thickness 1.5 mm						
AP DLI 2.5 DB	dark beige	20	1783550000	DLI 2.5 DB...	DLA 2.5 DB...	
thickness 1.5 mm						
AP DLD 2.5 DB	dark beige	20	1784210000	DLD 2.5 DB		
thickness 1.5 mm						
WAP WTL 6.1	dark beige	20	1068300000	WTL 6.1...	WTQ 6.1...	
thickness 2.0 mm						
ZAP/TW 1	dark beige	50	1608740000	WTL 4....		
ZAP/TW 1 BL	blue	50	1608750000			
ZAP/TW 1 OR	orange	50	1608760000			
thickness 1.5 mm						
WAP WDU 1.5/R3.5	dark beige	20	1754190000	WDU 1.5/R3.5	WPE 1.5/R3.5	
thickness 1.5 mm						
WAP WDK 1.5/R3.5	dark beige	20	1754200000	WDK 1.5/R3.5		
thickness 1.5 mm						
AP AKZ1.5	beige PA	50	0340560000	AKZ 1.5		
AP AKZ1.5 BL	blue PA	50	0340580000			
thickness 2.5 mm						
AP AKZ2.5	beige PA	50	0697360000	AKZ 2.5		
AP AKZ2.5 BL	blue PA	50	0697380000			
thickness 1.5 mm						
AP AKZ4	beige PA	50	0294460000	AKZ 4		
AP AKZ4 BL	blue PA	50	0294480000			

End plates

Type	Colour	Qty	Order No.	For terminals:
thickness 1.5 mm				
WAP WDU 2.5N/4N	dark beige	50	1060000000	WDU 2.5N
WAP WDU 2.5N/4N BL	blue	50	1060080000	WDU 4N
WAP WDU 2.5N/4N YE	yellow	50	1060090000	
WAP WDU 2.5N/4N OR	orange	50	1060060000	
WAP WDU 2.5N/600V UL YE	yellow	50	1833970000	
thickness 1.5 mm				
WAP WDK 2.5/4N	dark beige	20	1084000000	WDK 2.5/4N
WAP WDK 2.5/4N BL	blue	20	1084080000	
thickness 1.5 mm				
WAP WDU 10N/600V UL	dark beige	20	1833980000	WDU 10N/600V UL
WAP WDU 10N/600V UL BL	blue	20	1833990000	
WAP WDU 10N/600V UL YE	yellow	20	1834000000	
thickness 1.5 mm				
WAP WDU 35N/600V UL	dark beige	20	1834010000	WDU 35N/600V UL
WAP WDU 35N/600V UL BL	blue	20	1834020000	
WAP WDU 35N/600V UL YE	yellow	20	1834030000	
thickness 1.5 mm				
WAP WTL 6/3	dark beige	20	1879910000	WTL 6/3
thickness 1.5 mm				
WAP WTL 6 SL	dark beige	20	9538110000	WTL 6 SL
WAP WTL 6 SL SW	black	20	9538060000	
thickness 1.5 mm				
WAP WTL 4/2	dark beige	50	1881640000	WTL 4/2
thickness 1.5 mm				
WAP WTL 6/4 FF	dark beige	20	1887240000	WTL 6/4 FF
thickness 1.5 mm				
WAP WSI 4/2	dark beige	50	1880450000	WSI 4/2
thickness 1.5 mm				
AP VLI 1.5 DB	dark beige	20	1784150000	VLI 1.5
AP VLI 1.5/PE DB	dark beige	20	1784160000	
thickness 1.5 mm				
AP MAK 2.5	dark beige	20	1615280000	MAK 2.5
AP MAK 2.5 DB	dark beige	20	7917000000	
thickness 1.5 mm				
WAP WFF35	dark beige	20	1069700000	WFF...
WAP WFF70	dark beige	20	1069800000	
WAP WFF120	dark beige	20	1073000000	

Accessories – Visual separation / side covers

Partition plates

Guaranteed operating voltage
The main function of the partition plates is to preserve the necessary creepage and air clearances, depending on the operating voltage, for example in applications with increased protection (ATEX) or neighbouring cross-connection groups. This is why the partition plates are much larger than the corresponding terminals.

Visual separation
The partition plates can be used for very clear visual separation of circuits on one terminal strip.

Dimensions

WAP 16+35 WTW 2.5-10

Length	60 mm
Height with TS 35 x 7.5	63 mm

WTW EN

Length	86 mm
Height with TS 35 x 7.5	63 mm

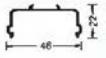
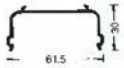
Type	Colour	Qty	Order No.	For terminals:
thickness 1.5 mm				
WAP 16+35 WTW 2.5-10	dark beige	20	1050100000	WDU 1.5/ZZ
WAP 16+35 WTW 2.5-10 BL	blue	20	1050180000	WDU 2.5/1.5/ZR
WAP 16+35 WTW 2.5-10 OR	orange	20	1050160000	WDU 2.5 - 35 WDU 2.5 F... WDU 2.5/TC WDU 4 SL - 10 SL WPE 2.5 - 35 WNT 2.5-10 WTR 2.5... WTR 4... WSI 6... WPO 4
thickness 3.0 mm				
WTW EN	dark beige	20	1058300000	WDK 2.5... WDK 2.5 F... WDK 2.5N.. WDK 4N..

Several German safety regulations, e.g. VBG 4 and VDE 0106 part 100, call for the active parts of electrical equipment to be protected against direct contact.
For this purpose, Weidmüller can supply cover strips and associated retaining plates which can be used for the common sizes of terminal.
Retaining plates are fitted at the ends of a terminal strip but can also be inserted between terminals. They are suitable for mounting on TS 32, TS 35 or TS 15 terminal rails.
Spacing of retaining plates:
The distance between the retaining plates for the ADP 1, 2 and 3 cover strips should not exceed about 300 mm.
The cover strip is clipped into lugs at the sides, but can also be fixed to spigots on the retaining plates which can be provided with a lead seal.
The cover strips are transparent so that terminals with accessories and markings can be identified at any time. Additional markings, e.g. groups, can be attached to the cover strips.

ADP

Cover strips

Material: unplasticised PVC
Supplied in 1 m lengths
Temperature limit max. 70°C

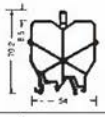
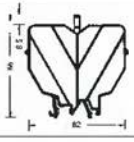
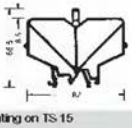
transparent Type	Order No.
ADP 1 	0435200000
ADP 2 	0435300000
ADP 3 	0435400000

grey Type	Order No.
ADP 4 (1000 mm) 	1430760000
ADP 4 (300 mm) 	1378160000
TSK 31 5 	0347960000

HP

Retaining plates

Material: PA 66
Thickness: 2 mm

For mounting on TS 35 / TS 32, with spigot for lead seal Type	Order No.
HP 1 Spigot for lead seal 	0435660000
HP 2 	0435680000
HP 3 	0435760000
HP 4 	0435860000

For mounting on TS 15 Type	Order No.
HP 7 	0258260000
HP 8 	0258360000

Covers

Overall dimensions	A	A	A	A	B	C
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	96		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6
ADP 1, HP 8				45	49	6
TSK 31 5, HP 7				35	31	6

Marking materials	Qty	Order No.
Card with warning "lightning flash", self adhesive 20 pcs. per card	5	0566700000

Potential supply with cross-section reduction

Feed-through terminals such as WDU 35 or WDU 16 are responsible for power supply in the W-Series. The current is routed by the cross-connections shown to terminals of a smaller cross-section (cross-section reduction).
After cross-section reduction, the supply can then be distributed on to any number of terminals of this same cross-section, using standard cross-connectors.

Function

- Larger conductor cross-section can be used for power supply
- Central current supply and distribution to any number of circuits

Mounting

First, prepare the **standard cross-connection** that is to distribute the current to other terminals of smaller conductor cross-section. To do so, break off the plastic screwdriver guide at the first pole of the cross-connection by bending it back and forth at the intended break-off point, and remove the fixing screw. Then place the cross-connection in the middle of the terminal.

Now insert the **cross-connection for cross-section reduction** so that there is an overlap of the live parts of the first terminal of the smaller cross-section. Fasten with the screws in the cross-section reduction.

Important! The "QL" cross-section reductions are not finger-safe. This can be easily remedied by using the WAD covers for the corresponding terminals.

Potential supply with cross-section reduction

Power supply via WDU 35

Output terminal	WDU 2.5	WDU 4 / WDU 6	WDU 10	WDU 16
Technical data	to WDU 35 to WDU 2.5	to WDU 35 to WDU 4 / 6	to WDU 35 to WDU 10	to WDU 35 to WDU 16
Continuous current 2-pole A	41	41	57	76
Thread size	M 4 M 2.5	M 4 M 3	M 4 M 3	M 4 M 4
Tightening torque Nm	1.2 ... 1.8 0.4 ... 0.7	1.2 ... 1.8 0.5 ... 0.8	1.2 ... 1.8 0.5 ... 0.8	1.2 ... 1.8 1.2 ... 1.8
Ordering data	Type Qty Order No.	Type Qty Order No.	Type Qty Order No.	Type Qty Order No.
2-pole	WQV 35-2.5 10 1064100000	WQV 35-4/6 10 1064200000	WQV 35-10 10 1063000000	WQV 16/2 50 1053260000

Power supply via WDU 16

Output terminal	WDU 2.5	WDU 4 / WDU 6	WDU 10	WDU 4
Technical data	to WDU 16 to WDU 2.5	to WDU 16 to WDU 4 / 6	to WDU 10 to WDU 2.5	to WDU 10 to WDU 4
Continuous current 2-pole A	41	41	24	32
Thread size	M 4 M 2.5	M 4 M 3	M 3 M 2.5	M 3 M 3
Tightening torque Nm	1.2 ... 1.8 0.4 ... 0.7	1.2 ... 1.8 0.5 ... 0.8	0.5 ... 0.8 0.4 ... 0.7	0.5 ... 0.8 0.5 ... 0.8
Ordering data	Type Qty Order No.	Type Qty Order No.	Type Qty Order No.	Type Qty Order No.
2-pole	WQV 16-2.5 10 1063900000	WQV 16-4/6 10 1064000000	QL 10-2.5 10 1859620000	QL 10-4 10 1859610000
			not finger-safe	not finger-safe

Power supply via WDU 16N

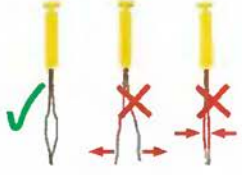
Output terminal	WDU 2.5	WDU 4 / WDU 6	WDU 6
Technical data	to WDU 16 to WDU 2.5	to WDU 16N to WDU 4 / 6	to WDU 6 to WDU 2.5
Continuous current 2-pole A	24	41	24
Thread size	M 3 M 2.5	M 3 M 3	M 3 M 2.5
Tightening torque Nm	0.5 ... 0.8 0.4 ... 0.7	0.5 ... 0.8 0.5 ... 0.8	0.5 ... 0.8 0.4 ... 0.7
Ordering data	Type Qty Order No.	Type Qty Order No.	Type Qty Order No.
2-pole	WQV 16N-2.5 10 1073100000	WQV 16N-4/6 10 1072500000	QL 6-2.5 10 1859600000
			not finger-safe

ZQV plug-in cross-connection

Weidmüller are the leading manufacturer of plug-in cross connection systems for screw clamp terminals. The plug-in cross-connections stand out with their easy handling and quick assembly, resulting in considerable time savings compared to screwed assembly solutions. This also ensures that all poles remain securely in contact.

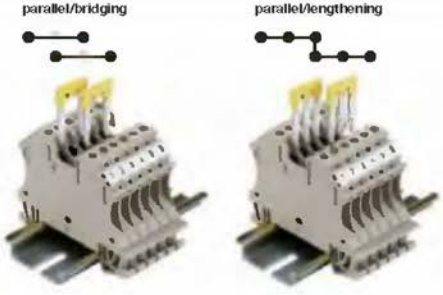
Assembly / Technical information

- The ZQV is pressed into the cross-connection channel by hand.
- **Important!** Ensure that the ZQV is pressed right in. The cross-connection must not protrude out of the cross-connection channel.
- To replace or remove, simply lever out with a screwdriver.
- Finger-safe to VDE 0160 part 100 (VGB4)
- Reduced rated voltage 400 V
- Different colours can be used to mark different potential
- **Important!** The contact elements must not be deformed



In one cross-connection channel

In two cross-connection channels



Possible cross-connections of terminals of the same type with corresponding cross-connectors

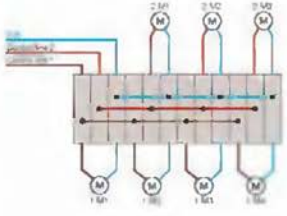
Terminal type	Cross-connector	single	adjacent	bridging-	parallel/ bridging	parallel/ lengthening
Standard						
WDU 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDK 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDU 2.5/1.5/ZR	ZQV 2.5N	•	•	•	•	•
WDU 2.5	ZQV 2.5N	•	•	•	•	•
WDK 2.5 ZQV	ZQV 2.5N	•	•	•		
WTR 2.5/ZZ	ZQV 2.5	•	•	•		
WDU 4	ZQV 4N	•	•	•	•	•
WTR 4...	ZQV 4N	•	•	•		
WDU/PE/4ZZ/ZR	ZQV 4N	•	•	•	•	•
WTR 4/ZZ/ZR	ZQV 4N	•	•	•		
Compact						
WDU 2.5N ZQV	ZQV 2.5N	•	•	•	•	•
WDK 2.5N...	ZQV 2.5N	•	•	•		
WDK 2.5N PE	ZQV 2.5N	•	•	•		
WDU 4N	ZQV 4N	•	•	•	•	•
WDK 4N...	ZQV 4N	•	•	•		
WDK 4N PE	ZQV 4N	•	•	•		

ZQV 2.5N

Continuous cross-connection
ZQV 2.5N/20 (20-pole) and ZQV 4N/20 (20-pole) are ideal for shortening (e.g. with tool KT ZQV – 9002170000) to produce customised configurations with the required number of poles. More than 20 poles in a row are not recommended because of the resulting tolerances in the terminals.

Special features of WDU 2.5, WDU 4 and WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials
  Important! Rated voltage reduced to 125 VI
- Parallel distribution of 2 potentials
  Important! Only when using the outer cross-connection holes at 400V
- The middle cross-connection hole can be used for either ZQV or WQV



Important! For shortened ZQV located adjacent to each other (with bare cut edges), end plates or partition plates are necessary for rated voltage of 250 V.

No. of poles	Type	I [A]	Qty	Order No. yellow	Order No. red	Order No. blue	Order No. black
2	ZQV 2.5N/2	24	60	1693800000	1717900000	1717990000	1718080000
3	ZQV 2.5N/3	24	60	1693810000	1717910000	1718000000	1718090000
4	ZQV 2.5N/4	24	60	1693820000	1717920000	1718010000	1718100000
5	ZQV 2.5N/5	24	20	1693830000	1717930000	1718020000	1718110000
6	ZQV 2.5N/6	24	20	1693840000	1717940000	1718030000	1718120000
7	ZQV 2.5N/7	24	20	1693850000	1717950000	1718040000	1718130000
8	ZQV 2.5N/8	24	20	1693860000	1717960000	1718050000	1718140000
9	ZQV 2.5N/9	24	20	1693870000	1717970000	1718060000	1718150000
10	ZQV 2.5N/10	24	20	1693880000	1717980000	1718070000	1718160000
20	ZQV 2.5N/20	24	20	1909000000	1909110000	1909140000	1909130000

For standard terminal	For compact terminal
WDU 2.5/1.5 ZR	WDU 2.5N
WDU 2.5	WDK 2.5N
WDK 2.5/ ZQV	WDK 2.5N V
WDU 1.5 BLZ 5.08/ ZQV	WDK 2.5N DU-PE

ZQV 4N

No. of poles	Type	I [A]	Qty	Order No. yellow	Order No. red	Order No. blue	Order No. black
2	ZQV 4N/2	32	60	1758250000	1793950000	1793960000	1793970000
3	ZQV 4N/3	32	60	1762830000	1793980000	1793990000	1794000000
4	ZQV 4N/4	32	60	1762820000	1794010000	1794020000	1794030000
5							
6							
7							
8							
9							
10	ZQV 4N/10	32	20	1758260000	1794040000	1794050000	1794060000
20	ZQV 4N/20	32	20	1909020000	1909150000	1909100000	1909120000

For standard terminal	For compact terminal
WDU 4	WDU 4N
WTR 4	WDK 4N
WTR 4 SI	WDK 4N V
WTR 4 SL	WDK 4N DU-PE
WTR 4/ZZ+ZR	
WDU/PE4/ZZ+ZR	

WQV screw-in cross-connection

When used together with W-Series terminals, WQV insulated cross-connection units guarantee absolute safety for finger and back-hand in accordance with the accident prevention regulation "Electrical systems and equipment" (VGB4). It is very easy to produce individual configurations thanks to the many different options offered by the WQV cross-connection system, by breaking out individual segments, creating any required number of poles or routing two potentials in parallel, etc.

Technical instructions

- The full rated current of the terminals can be routed across any number of poles
- No end plates or partition plates needed for adjacent WQV up to 400 V.

Assembly

- Place the WQV in the cross-connection channel in the middle of the terminal and screw tight.
- Individual WQV segments can be broken out by bending over or using the WAW1 tool (9004500000). It is then possible to bridge individual or several terminals.
- Captive fixing screws.
- Snap onto the clamped support – simple overhead assembly.

Any number of poles (extending)

Pre-fitted cross-connections can be set one after the other to produce any required number of poles.
To do so, arrange the last and first contact points of two identical WQVs so that they overlap.

- First, remove the fixing screw and screwdriver guide (insulated part) at one of the outer contact points of one of the WQVs.

- Then insert the WQV without fixing screw and insulated part. At the same time, insert an unmodified WQV in parallel so as to produce an overlap at the connection. The connection is screwed tight using the fixing screw of the unmodified WQV.

Routing 2 potentials in parallel

- In spite of only having 1 channel, the WQV cross-connection system can still be used for offset cross-connections. See the photo "parallel bridging" (page E.107).

WQV in combination with a socket contact and test plug

- Remove the fixing screw and insulation part of the WQV.
  Screw the socket in at this point. This now makes it possible to integrate a safe test point.

Potential distribution – possible combinations

In one cross-connection channel

single

adjacent

bridging

parallel/bridging

lengthening

Possible cross-connections of terminals of the same type with appropriate cross-connectors

Terminal type	Cross-connection	single	adjacent	bridging	parallel/ bridging	parallel/ lengthening
Standard						
WDU 1.5/ZZ	WQV 2.5	•	•	•	•	•
WDU 1.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5/1.5/ZR	WQV 2.5	•	•	•	•	•
WDU 2.5 - WDU 35	WQV 2.5 - WQV 35	•	•	•	•	•
WDK 2.5...	WQV 2.5	•	•	•	•	•
WDK 2.5 PE	WQV 2.5	•	•	•	•	•
WDU 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDK 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5 F...	WQV 2.5	•	•	•	•	•
WDK 2.5 F...	WQV 2.5	•	•	•	•	•
WDU 4... - WDU 35...	WQV 4 - WQV 35	•	•	•	•	•
WDU 70/95	WQV 70/95	•	•			
WDU 120/150	WQV 120/150	•	•			
WDU 240	WQB 240	•	•			
Compact						
WDU 2.5N	WQV 2.5	•	•	•	•	•
WDU 2.5N 600V	WQV 2.5	•	•	•	•	•
WDU 16N	WQV 16N	•	•	•	•	•
WDU 35N	WQV 35N	•	•			
WDU 50N	WQV 50N	•	•			
WDU 70N	WQV 70N	•	•			
WDU 95N/120N	WQV 95N/120N	•	•			

Accessories – Potential distribution

WQV 2.5

Technical data		
Continuous current 2-pole/multi-pole	A	32 / 32
Thread size		M 2.5
Tightening torque	Nm	0.4 ... 0.7

Ordering data	Type	Qty	Order No.
2-pole	WQV 2.5/2	50	1053860000
3-pole	WQV 2.5/3	50	1053760000
4-pole	WQV 2.5/4	50	1053360000
5-pole	WQV 2.5/5	10	1053960000
6-pole	WQV 2.5/6	10	1054060000
7-pole	WQV 2.5/7	10	1054160000
8-pole	WQV 2.5/8	10	1054260000
9-pole	WQV 2.5/9	10	1054360000
10-pole	WQV 2.5/10	20	1054460000
15-pole	WQV 2.5/15	10	1056960000
32-pole	WQV 2.5/32	10	1577600000

For terminal	
WDU 1.5 ZZ	WDK 2.5
WDU 1.5 BLZ	WDK 2.5 V
WDU 2.5/1.5 ZR	WDK 2.5 DU-PE
WDU 2.5	WDK 2.5 F
WDU 2.5 F	

WQV 4

Technical data		
Continuous current 2-pole/multi-pole	A	41 / 41
Thread size		M 3
Tightening torque	Nm	0.5 ... 0.8

Ordering data	Type	Qty	Order No.
2-pole	WQV 4/2	50	1051960000
3-pole	WQV 4/3	50	1054560000
4-pole	WQV 4/4	50	1054660000
5-pole	WQV 4/5	10	1057860000
6-pole	WQV 4/6	10	1057160000
7-pole	WQV 4/7	10	1057260000
8-pole	WQV 4/8	10	1057960000
9-pole	WQV 4/9	10	1058060000
10-pole	WQV 4/10	20	1758260000
15-pole	WQV 4/15	10	1057460000

For terminal
WDU 4
WDU 4 SL

WQV 6

Technical data		
Continuous current 2-pole/multi-pole	A	57 / 57
Thread size		M 3
Tightening torque	Nm	0.5 ... 0.8

Ordering data	Type	Qty	Order No.
2-pole	WQV 6/2	50	1052360000
3-pole	WQV 6/3	50	1054760000
4-pole	WQV 6/4	50	1054860000
5-pole	WQV 6/5	50	1052960000
6-pole	WQV 6/6	50	1052670000
7-pole	WQV 6/7	50	1052680000
10-pole	WQV 6/10	20	1052260000

For terminal
WDU 6
WDU 6 SL

WQV 35N

Technical data		
Continuous current 2-pole/multi-pole	A	115 / 100
Thread size		M 4
Tightening torque	Nm	1.2 ... 1.8

Ordering data	Type	Qty	Order No.
2-pole	WQV 35N/2	50	1079200000
3-pole	WQV 35N/3	50	1079300000
4-pole	WQV 35N/4	50	1079400000
5-pole			
6-pole			
7-pole			
8-pole			
9-pole			
10-pole			
15-pole			
32-pole			

For terminal
WDU 35N

WQV 50N

(finger-safe with cover WAD)

Technical data		
Continuous current 2-pole/multi-pole	A	150 / 150
Thread size		M 6
Tightening torque	Nm	2.5 ... 4.5

Ordering data	Type	Qty	Order No.
2-pole	WQV 50N/2	10	1834060000
3-pole	WQV 50N/3	10	1834070000
4-pole	WQV 50N/4	10	1834080000
5-pole			
6-pole			
7-pole			
8-pole			
9-pole			
10-pole			
15-pole			
32-pole			

For terminal
WDU 50N

WQV 70N

(finger-safe with cover WAD)

Technical data		
Continuous current 2-pole/multi-pole	A	192 / 192
Thread size		M 6
Tightening torque	Nm	2.5 ... 4.5

Ordering data	Type	Qty	Order No.
2-pole	WQV 70N/2	5	9512240000
3-pole	WQV 70N/3	5	9512250000
4-pole	WQV 70N/4	5	9531290000
5-pole			
6-pole			
7-pole			
8-pole			
9-pole			
10-pole			
15-pole			
32-pole			

For terminal
WDU 70N

WQV 10

76 / 63
M 3
0.5 ... 0.8

Type	Qty	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000

For terminal
WDU 10
WDU 10 SL
WDU 10 ZR

WQV 16

101 / 76
M 4
1.2 ... 1.8

Type	Qty	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000

For terminal
WDU 16

WQV 16N

76 / 57
M 4
1.2 ... 1.8

Type	Qty	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000

For terminal
WDU 16N

WQV 35

138 / 112
M 4
1.2 ... 1.8

Type	Qty	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1053360000
WQV 35/4	50	1055460000

For terminal
WDU 35

WQV 70

(finger-safe with cover WAD)

232 / 232
M 5
2.0 ... 4.0

Type	Qty	Order No.
WQV 70/2	5	1063500000
WQV 70/3	5	1063600000

For terminal
WDU 70/95

WQV 95N/120N

(finger-safe with cover WAD)

269 / 269
M 6
3.0 ... 4.5

Type	Qty	Order No.
WQV 95N/120N/2	5	1826890000
WQV 95N/120N/3	5	1826900000

For terminal
WDU 95N/120N

WQV 120

(finger-safe with cover WAD)

292 / 292
M 5
2.0 ... 4.0

Type	Qty	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000

For terminal
WDU 120/150

Q screw-in cross-connections

With this cross-connection, the cross-connection lugs, sleeves and fixing screws are pre-fitted. All individual parts are also available separately on request. Cross-connections pre-fitted in this way are simply placed in the cross-connection channel in the middle of the terminal and screwed tight. Any required number of poles is possible by combining two cross-connections. For example, a 20-pole cross-connection is made up by connecting two 10-pole cross-connections with the cross-connection lug of a 2-pole cross-connection.

Q ... AKZ 4SS

Technical data		
Continuous current 2-pole/multi-pole	A	32 / 32
Thread size		M 2.5
Tightening torque	Nm	0.4 ... 0.6

Ordering data	Type	Qty	Order No.
2-polig	Q..2 AKZ 4SS		0369000000
3-polig	Q..3 AKZ 4SS		0369100000
4-polig	Q..4 AKZ 4SS		0369200000
10-polig	Q..10 AKZ 4SS		0369300000

For terminal
WDK 2.5 / 800 V

Q ... DLI 2.5

	24 / 24
	M 2.5
	0.4 ... 0.6

Type	Qty	Order No.
Q..2 DLI 2.5		1312500000
Q..3 DLI 2.5		1312600000
Q..4 DLI 2.5		1312700000
Q..10 DLI 2.5		1313100000

For terminal
DLI 2.5
DLA 2.5
DLD 2.5

Q ... AKZ 1.5

Technical data		
Continuous current 2-pole/multi-pole	A	24 / 24
Thread size		M 2.5
Tightening torque	Nm	0.4 ... 0.6

Ordering data	Type	Qty	Order No.
2-pole	Q..2 AKZ 1.5	50	0368200000
3-pole	Q..3 AKZ 1.5	50	0368300000
4-pole	Q..4 AKZ 1.5	50	0368400000
10-pole	Q..10 AKZ 1.5	20	0368500000

For terminal
AKZ 1.5
AKZ 2.5

Q ... AKZ 4

	32 / 32
	M 2.5
	0.4 ... 0.6

Type	Qty	Order No.
Q..2 AKZ 4	50	0336400000
Q..3 AKZ 4	50	0336500000
Q..4 AKZ 4	50	0336600000
Q..10 AKZ 4	20	0336800000

For terminal
AKZ 4

Q ... WDL 2.5 / S

	24 / 24
	M 2.5
	0.4 ... 0.6

Type	Qty	Order No.
Q..2 WDL 2.5 / S	50	1071500000
Q..3 WDL 2.5 / S	50	1071600000
Q..4 WDL 2.5 / S	50	1071700000
Q..10 WDL 2.5 / S	10	1071800000

For terminal
WDL 2.5 / S ... (with 10 x 3 busbar)
WDL 2.5 ... (with disconnector, external side)

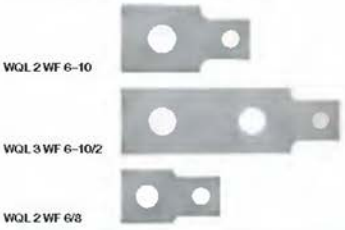
Accessories for stud terminals

Potential distribution

The power distribution between neighbouring stud terminals can be achieved simply with the use of 2- and 3-pole cross-connections (see the section under stud terminals).
However, a cross-section reduction is required in special cases. These so-called cross-connection lugs are available for thread sizes from M6 to M10 and can be combined as required. This is helpful for power supplies and power distribution, for example.

WQL

Special cross-connection lugs



Type	Current [A]	Qty	Order No.	Primary stud connection [M...]	Neighbouring stud connection [M...]
WQL 2 WF 6–10 t = 4 mm	125	5	1806620000	WF 6 = 1 pole M 6	1 x WF 10 = 1 pole M 10
WQL 3 WF 6–10/2 t = 4 mm	125	5	1806640000	WF 6 = 1 pole M 6	2 x WF 10 = 2 pole M 10
WQL 2 WF 6/8 t = 4 mm	125	5	1806980000	WF 6 = 1 pole M 6	1 x WF 8 = 1 pole M 8
WQL 4 WF 8–6/3 t = 4 mm	125	5	1904960000	WF 8 = 1 pole M 8	3 x WF 6 = 3 poles M 6

Cross-connection with disconnect terminal Fuse terminal WSI 6

Installation

Screw the cross-connection lugs directly to the current bar. To do this, push out the pre-punched side window of the terminal carrier with the help of tool WAW 2 (order No. 9004510000) and clip the terminal in place. Now open the fuse holder and insert the fixing screw. Slip the cross-connection lug in through the punched opening in the side of the terminal carrier and secure it with the fixing screw.
Important! The side window of the last terminal may not be broken out as otherwise the rated voltage cannot be guaranteed.

External cross-connection bridges

Function

External cross-connection bridges allow for current to be bridged in terminals without a cross-connection channel in the middle or when two potentials are to be routed in parallel.

Assembly

These bridges are positioned over the conductor in the clamping point and connected. Individual contacts can be separated off by hand when you wish to skip a clamping point.

Important! Use of these parts reduces the nominal cross-section of the connected conductor to the next smallest size for the terminal in question.

QL ... for WSI 6

Pitch 6.3 mm

WQB A / ...

Pitch 5.1 mm

WQB B / ...

Pitch 5.1 mm

Technical data

Continuous current 2-pole/multi-pole	A	24 / 24	24 / 24	24 / 24
Fork length		12 mm	12 mm	16 mm

Ordering data

	Type	Qty	Order No.
2-pole	QL 2	100	0194300000
3-pole	QL 3	100	0194400000
4-pole	QL 4	50	0194500000
10-pole	QL 10	20	0338300000
24-pole			
Fixing screw	BS-M 3 x 5	100	1052100000
Releasing tool	WAW 2	1	9004510000
	For terminal		
	WSI 6...		

	Type	Qty	Order No.
2-pole	WQB A / 2	50	1578950000
3-pole	WQB A / 3	50	1578960000
4-pole	WQB A / 4	50	1578970000
10-pole	WQB A / 10	50	1578990000
24-pole	WQB A / 24	50	1579000000
	For terminal		
	WDK 2.5		

	Type	Qty	Order No.
2-pole	WQB B / 2	50	1579010000
3-pole	WQB B / 3	50	1579020000
4-pole	WQB B / 4	50	1579030000
10-pole	WQB B / 10	50	1579050000
24-pole	WQB B / 24	50	1579060000
	For terminal		
	WDU 1.5 / ZZ (lower connection level)		
	WDU 2..5		
	WDU 2.5 / 1.5 / ZR (lower connection level)		
	WTR 2.5		

Testing in terminals

PS

Test plug

Test plugs (PS) are used for measurements or final testing of ready wired terminal strips. Test plugs are available for socket contacts with an internal diameter of 2.3 mm or 4 mm.
The difference to the test adapter is that the test plug does not slot into the terminal. This means that reliable plugging into feed-through terminals up to 35 mm² is only possible with a socket.

Special feature for large cross-sections
WDU 70N, WDU 95N/120N, WDU 70/95, WDU 120/150
In these terminals, test plug PS 4 can be plugged into the head of the clamping screw for measurements.

Ordering data

Test plug	Qty	Order No.
2.3 mm diameter / rated current 17.5 A		
PS 2.3	20	0180400000
4.0 mm diameter / rated current 24 A		
PS 4	20	0299800000

StB

Socket

The StB socket is used for fitting the PS test plug. The sockets are screwed into the busbar in the cross-connection channel in the middle of the terminal. WTR disconnect terminals are available with pre-fitted sockets (see W-Series disconnect terminals). The sockets are equipped with a slot for the screwdriver. A special screwdriver blade guarantees that the sockets are securely tightened (see catalogue 6, chapter F)

Combining with WQV
The socket can be used in combination with the WQV screw-in cross-connection. For this purpose, the insulating part of the screw and the fixing screw have to be removed at the corresponding pole in the WQV. The socket can then be screwed in.

Ordering data

Socket	For test plug	Qty	Order No.	For standard terminal	For compact terminal
Thread M 2.5 / Length 11.5 mm					
StB 8.5	PS 2.3	50	0215700000	WDU 1.5/ZZ WDU 2.5/1.5/ZR WDU 2.5 WDK 2.5...	WDU 2.5N (WQV) WDU 2.5N 600V UL
Thread M 3 / Length 12 mm					
StB 8.5	PS 2.3	50	0280600000	WDU 4 WDU 6 WDU 10 WDU 10/ZR	
Thread M 3 / Length 19 mm					
StB 14	PS 4	50	0169900000	WDU 10 WDU 10/ZR	WDU 16N
Thread M 4 / Length 23 mm					
StB 16	PS 4	50	0140200000	WDU 16	WDU 35N
Thread M 3 / Length 23 mm (finger-safe)					
StB 21.6	PS 4	50	1071000000	WDU 4 WDU 10	WDU 6

Test adapter

The WTA slot test adapter is used as both a single unit and a test adapter strip for measurements in control cabinets.

Conductors with cross-sectional areas ranging from 0.5 mm² to 1.5 mm² can be clamped. The test adapter is simply slotted into the terminal, creating secure contact with the current carrying busbar. This connection is released again simply by pressing the release button.

Tightening torque for all test adapters WTA 0.4...0.6 Nm (M 2.5)

		WTA 1	WTA 2
Dimensions			
Height (with TS 35 x 7.5)	mm	98.2	107.6
Length	mm	66.1	66.1
Width	mm	5.0	5.0
Stripping length	mm	6.0	6.0
Rated voltage/current/cross-connection			
to IEC 60 947-7-1		250 V / 6,0 A / 1,5 mm²	250 V / 6 A / 1.5 mm²
to UL/CSA		300 V / 6,0 A / 1.5 mm²	300 V / 6 A / 1.5 mm²
Clamped conductor			
solid H 07V-U	mm²	0.5 ... 1.5	0.5 ... 1.5
flexible H 07V-K	mm²	1.0 ... 1.5	1.0 ... 1.5
flexible with AEH (DIN 46228/1)	mm²	0.5 ... 1.5	0.5 ... 1.5
Ordering data			
1-pole		Type: WTA 1 — Qty: 25 — Order No.: 1632290000	Type: WTA 2 — Qty: 25 — Order No.: 1632320000
1-pole with spigot		WTA 1/ZA — 25 — 1632300000	WTA 2/ZA — 25 — 1632330000
10-pole		WTA 1/10 — 5 — 1632310000	WTA 2/10 — 5 — 1632340000
		For terminal: WDU 2.5N; WDU 4N	For terminal: WDU 1.5 ZZ; WDU 2.5/1.5 ZR; WDU 2.5; WDU 2.5 F; WDU 4; WDU 6; WDU 10; WDU 16
Marking tags		DEK 5	DEK 6

		WTA 5	WTA 6
Dimensions			
Height (with TS 35 x 7.5)	mm	68.2	107.6
Length	mm	17.0	66.1
Width	mm	5.0	5.0
Stripping length	mm	14	6.0
Rated voltage/current/cross-connection			
to IEC 60 947-7-1		250 V / 6.0 A / 0.75 mm²	250 V / 6.0 A / 1.5 mm²
to UL/CSA		300 V / 6.0 A / 0.75 mm²	300 V / 6.0 A / 1.5 mm²
Clamped conductor			
solid H 07V-U	mm²	0.5 ... 1.0	0.5 ... 1.5
flexible H 07V-K	mm²	1.0	1.0 ... 1.5
flexible with AEH (DIN 46228/1)	mm²	0.5 ... 1.0	0.5 ... 1.5
Ordering data			
1-pole		Type: WTA 5 — Qty: 25 — Order No.: 1051260000	Type: WTA 6 — Qty: 25 — Order No.: 1632380000
1-pole with spigot		- — - — -	WTA 6/ZA — 25 — 1632390000
10-pole		WTA 5/10 — 5 — 1062060000	WTA 6/10 — 5 — 1632400000
		For terminal: WDU 2.5; WDU 4; WDU 6; WDU 10; WDU 10 ZR	For terminal: WTR 2.5
Marking tags		DEK 3.5	DEK 6

WTA 3

107.6	
66.1	
6.0	
6.0	
250 V / 6 A / 1.5 mm²	
300 V / 6 A / 1.5 mm²	
0.5 ... 1.5	
1.0 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
WTA 3	25	1632350000
WTA 3/ZA	25	1632360000
WTA 3/10	5	1632370000

For terminal	For terminal
WDU 4	
WDU 6	
WDU 10	

DEK 5

WTA 4

125	
62	
5.0	
6.0	
250 V / 6 A / 1.5 mm²	
300 V / 6 A / 1.5 mm²	
0.5 ... 1.5	
1.0 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
WTA 4	25	1878660000
WTA 4/ZA	25	1879350000
WTA 4/10	5	1879340000

For terminal	For terminal
WDK 2.5	
WDK 2.5 V	
WDK 2.5 F	
WDK 2.5 FV	

DEK 5

WTA 7

120	
68	
6.0	
6.0	
250 V / 6.0 A / 1.5 mm²	
300 V / 6.0 A / 1.5 mm²	
0.5 ... 1.5	
1.0 ... 1.5	
0.5 ... 1.5	

Type	Qty	Order No.
WTA 7	25	1650210000

For terminal
WSI 6

DEK 5

WTA 8

78	
39	
6.0	
6.0	
205 V / 6.0 A / 1.5 mm²	
0.5 ... 2.5	

Type	Qty	Order No.
WTA 8 TN-KO/ZA (red)	25	1915520000
WTA 8 TN-KO (red)	25	1915470000
WTA 8 KO-TN/ZA (green)	25	1915510000
WTA 8 KO-TN (green)	25	1915480000
WTA 8 TN/ZA (beige)	25	1915500000
WTA 8 TN (beige)	25	1915450000

For terminal
WTL 4/2 STB

DEK 6

TN-KO ≙ Disconnect ⇨ Contact
KO-TN ≙ Contact ⇨ Disconnect
TN ≙ Disconnect

Marking / Covering

The WAD cover is clipped onto the cross-connection channel in the middle of the terminal from above. The cover is supplied either in yellow with a black warning lightning flash or in white without any printing.
Cover WAD is available for all feed-through terminals in the W-Series.

Marking mains terminals
The VDE regulations stipulate that mains terminals have to be identified by a warning lightning flash.

Simple marking
The cover in white without any printing can be used for terminal marking or group marking.

Finger safety for uninsulated cross-connections
Important! When cross-connecting terminals WDU 70N, WDU 95N/120N, WDU 70/95 and WDU 120/150 finger safety according to the VDE directive is only guaranteed when the WAD cover is used.

WAD

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 4 yellow w. lightning flash	50	1072000000	WDU 1.5/ZZ	WDU 2.5N..
WAD 4 white	50	1072100000	WDU 2.5/1.5/ZR	WDU 4N
				WDK 2.5..

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 5 yellow w. lightning flash	50	1053460000	WDU 2.5	
WAD 5 white	50	1056060000	WDU 4	

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 8 yellow w. lightning flash	50	1053560000	WDU 6	
WAD 8 white	50	1056160000	WDU 10	

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 12 yellow w. lightn. flash	50	1055960000	WDU 16	
WAD 12 white	50	1056260000	WDU 35	

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 12N yellow w. lightn. flash	50	1073200000		WDU 16N..
WAD 12N white	50	1073290000		

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 16N yellow w. lightn. flash	50	1083600000		WDU 35N..
WAD 16N white	50	1083500000		

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 20 yellow w. lightning flash	20	9512260000		WDU 50N
WAD 20 white	20	9512270000		WDU 70N
				WDU 95N/120N

Type	Qty	Order No.	For standard terminal	For compact terminal
WAD 27 yellow w. lightning flash	10	1062860000	WDU 70/95	
WAD 27 white	10	1062960000	WDU 120/150	

SIHA fuse holder

1. Open fuse holder with fingers or screwdriver
2. Press out old fuse
3. Position new fuse
4. Press fuse holder together again

For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time

Simply remove the isolating lever and insert the fuse plug

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23°C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Marking position for Dekafix 5 and space for self-adhesive label size 8/20

SIHA 1

	Qty	Order No.
without LED		
SIHA 1/G20		
400 V	1	9537550000
with LED (red)		
SIHA 1/G20		
10 - 36 V	1	9537560000
35 - 70 V	1	9537570000
60 - 150 V	1	9537580000
140 - 250 V	1	9537590000

For disconnect terminal type

WTR 2.5/ZZ

SIHA 3

	Qty	Order No.
without LED		
SIHA3/G20		
400 V	1	7921560000
with LED (red)		
SIHA3/G20		
10 - 36 V	1	7921570000
35 - 70 V	1	7921580000
60 - 150 V	1	7921590000
140 - 250 V	1	7921600000

For disconnect terminal type

WTR 4

WTR 4/ZZ

WTR 4/ZR

WTR 2.5

SIHA STRAP

	Qty	Order No.
with strap		
SIHA STRAP		
20		9537680000

Connector for "retro-fit" assembly

- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either left or right

Accessories – Specific functions and variations

Cartridge fuses

Technical data

Ordering data

For terminal type	Size (mm)	Nom. voltage (V)	Nom. current (A)	Type	Qty	Order No.
G-type cartridge fuses 5 x 20 **without** indicators to IEC 60127-2 (VDE 0820 pt 2 Bl.[1])						
WSI 4 WSI 6	5 x 20 breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0,7)	250	0,1	(F) G 20/0,10A/F	10	0430300000
			0,2	(F) G 20/0,20A/F	10	0430400000
			0,25	(F) G 20/0,25A/F	10	0430500000
			0,5	(F) G 20/0,50A/F	10	0430600000
			0,63	(F) G 20/0,63A/F	10	0430900000
			1,0	(F) G 20/1,00A/F	10	0430700000
			1,6	(F) G 20/1,60A/F	10	0430800000
			2,0	(F) G 20/2,00A/F	10	0430900000
			2,5	(F) G 20/2,50A/F	10	0431000000
			3,15	(F) G 20/3,15A/F	10	0431100000
			4,0	(F) G 20/4,00A/F	10	0431200000
			5,0	(F) G 20/5,00A/F	10	0431300000
			6,3	(F) G 20/6,30A/F	10	0431400000
			(M) = medium-blow (F) = fast-blow			
G-type cartridge fuses 5 x 25 **with** indicators to DIN 41576[1])						
WSI 6	5 x 25 w. indicator[1]) breaking capacity 80 A (at 250 V, 50 Hz, cos φ = 1	250	0,25	(M) G 25/0,25A/M	10	0646900000
			0,5	(M) G 25/0,50A/M	10	0646300000
			0,8	(M) G 25/0,80A/M	10	0646400000
			1	(M) G 25/1,00A/M	10	0265300000
			1,0	(M[2]) G 25/1,0 0A/M	10	0193100000
			2	(F) G 25/2,00A/F	10	0192700000
			4	(F) G 25/4,00A/F	10	0192300000
			6,3	(F) G 25/6,30A/F	10	0192900000
			(M) = medium-blow (F) = fast-blow			
Cartridge fuses 1¼" x ¼" **without** indicators to BS 88						
WSI 4/2 WSI 6/2	33 kA breaking capacity, 33 kA test-bbw	440	0,5	GZ 0,5A/F	10	0533800000
	E 0,5 A		1	GZ 1,0A/F	10	0525500000
	E 1 A		2	GZ 2,0A	10	0294500000
	E 2 A		3	GZ 3,0A	10	0295700000
	E 3 A		5	GZ 5,0A	10	0294600000
	E 5 A		7	GZ 7,0A	10	0295300000
	E 7 A		10	GZ 10,0A	10	0293900000
	E 10 A		12,5	GZ 12,5A FF	10	0245400000
			(F) = fast-blow (M) = medium-blow			
D-type cartridge fuses E 16 **with** indicators to DIN 49360 (Diazed)						
SAKS 2	E 10 A	500	10	E 16/10A RT	25	0200500000
	E 16 A		16	E 16/16A GR	25	0200600000
	E 20 A		20	E 16/20A BL	25	0200700000
	E 25 A		25	E 16/25A GE	25	0200800000
			(F) = fast-blow (M) = medium-blow			
D-type cartridge fuses E 14 size D 01 and E 18 Größe D 02 **with** indicators to DIN 49522 (Neozed[1])						
SAKS 4[4])	E 14/2	400	2	E 14/2A RS	10	0137400000
	E 14/4		4	E 14/4A BR	10	0137500000
	E 14/6		6	E 14/6A GN	10	0323300000
	E 14/10		10	E 14/10A RT	10	0323400000
	E 14/16		16	E 14/16A GR	10	0323500000
SAKS 5	E 18/20	400	20	E 18/20A BL	10	0361300000
	E 18/25		25	E 18/25A GE	10	0361400000
	E 18/35		35	E 18/35A SW	10	0361500000
	E 18/50		50	E 18/50A WS	10	0361600000
	E 18/63		63	E 18/63A KU	10	0361700000
			(F) = fast-blow (M) = medium-blow			

Notes:
[1]) SIBA also supplies G-type cartridge fuses 5 x 25 with indicators suitable for 450 V~ shipbuilding applications
[2]) Cartridge fuses 5 x 30 (500 V~) for SAKS 3 are available from the WICKMANN company.
[3]) LINDNER also supplies the Neozed cartridge fuses in another version suitable for 440 V~ shipbuilding applications.
[4]) Cartridge fuses in the sizes 1"x¼" (25,4x6,35 mm) and 13/32"x1¼" (10,3x38,1 mm) are not included in the range.
[5]) For SAKS 1 and SAKS 7 only.

Gauge pieces

Technical data

Ordering data

For terminal type	Gauge piece type	Amps	Colour	Type	Qty	Order No.
SAKS 4/35	P 14/2	2	pink	P 14/2D01 RS	50	0133000000
	P 14/4	4	brown	P 14/4D01 BR	50	0133100000
	P 14/6	6	green	P 14/6D01 GN	50	0323600000
	P 14/1	10	red	P 14/10D01 RT	50	0323700000
SAKS 5/35	P 18/20	20	blue	P 18/20D02 BL	50	0361800000
	P 18/25	25	yellow	P 18/25D02 GE	50	0361900000
	P 18/35	35	black	P 18/35D02 SW	50	0362000000
	P 18/50	50	white	P 18/50D02 WS	50	0362100000
SAKS 2/35	P 16/10	10	red	P 16/10 RT	100	0208900000
	P 16/16	16	grey	P 16/16 GR	100	0209000000
	P 16/20	20	blue	P 16/20 BL	100	0209100000

Component isolating plugs

The Weidmüller philosophy is to realise a multitude of applications with just a few parts. The component and isolating plugs (BEST and TNST) represent a logical extension of this cost-effective and efficient approach. The component plug can accommodate electronic components and connect them to the terminal. And once an isolating plug is removed, the clamping point is obviously disconnected. The opening is easy to recognise.

An unintentional reconnection of the circuit is prevented by simply removing the isolating plug. The BEST and the TNST have the same pin arrangement. Both plugs are also identical with the SIHA 3 fuse holder, meaning that they can be used in all the "disconnecting products" of the W-, Z-, I- and P-Series.

Component plug (up to 250 V)

can be reversed

Ordering data

Type	Fitted with...	Qty	Order No
BEST	-	25	1833100000
BEST/DRBR	wire jumper	25	1878570000
BEST/D	diode 1N4007	25	1878590000
For terminal type			
WTR 2.5			
WTR 4			
WTR 4/ZZ			
WTR 4/ZR			

Isolating plug

Ordering data

Type	Colour	Qty	Order No
TNST	Wemid, yellow	25	1833090000
For terminal type			
WTR 2.5			
WTR 4			
WTR 4/ZZ			
WTR 4/ZR			

Screen plug (LS)

A screen plug (LS) is available for many terminals in the W-Series. The bar can be used to continue the shielding over the terminals as an interface. There is no direct connection to earth potential.

Assembly

The screen plug is placed flat in the bottom of the terminal in the recess provided. At the ends, the shield can be plugged in with a 2.8 mm Faston connector or also soldered on.

Reduced rated voltage

The smaller clearance and creepage sections result in a reduced voltage rating in the terminal when using the screen plug.

Short-circuit plug (WDS)

Short-circuit plugs (cross-connection plugs) are used together with sockets (diameter 2.3 mm) for easily disconnected cross-connection of terminals.

In practice, this plug is frequently used for disconnect test terminals and disconnect terminals. The insulated holder makes the WDS finger-safe.

Assembly

The plug is simply plugged onto the socket and locks automatically.

For terminal width 5.1 mm

Extension connector (WZAD)

An extension connector (WZAD) is offered for feed-through terminals from 70 mm².

Assembly

This connector consists of a metal part which is pushed into the terminal and lodges behind the clamping yoke. The WZAD extension connector is connected to the "main" conductor in the terminal. Another conductor of up to 4 mm² and 32A can be screwed to the outer end of the extension connector using a ring cable lug.

Exception WZAD WDU 240

The extension connector for WDU 240 is separately plugged into the terminal above the wire entry and locks automatically. The conductor is connected with a fully insulated screw connection.

LS 2.8

Type	Qty	Order No.
LS 2 8 WDU2 5-10	50	1056400000

WDS

Type	Qty	Order No.
WDS 2	20	1069900000

WZAD

Type	Clamped conductor	Rated current	Qty	Order No.	For terminal
WZAD 70/95	up to 4 mm²	32 A	10	1066000000	WDU 70/95
WZAD 120/150	up to 4 mm²	32 A	10	1066100000	WDU 120/150
WZAD 240	up to 10 mm²	57 A	5	1802810000	WDU 240
WZAD 70N	up to 4 mm²	32 A	10	9512280000	WDU 50N/70N

Reduced voltage

For standard terminal	Reduced voltage
WDU 1 5/ZZ	400V
WDU 2 5/1 5/ZR	400V
WDU 2 5	400V
WDU 4	400V
WDU 6	400V
WDU 10	400V
WDK 2 5 ZQV	250V
WDK 2 5 (WQV)	250V
WTR 2 5...	250V

For compact terminal	Reduced voltage
WDK 2 5N	250V
WDK 4N	250V

For terminal
WDU 1 5/ZZ
WDU 2 5/1 5/ZR
WDU 2 5
WDK 2 5... (WQV)
WTR 2 5...
WDU 2 5 F..

WZAF

Type	Clamped conductor	Rated current	Qty	Order No.	For terminal
WZAF 35	4 mm²	32 A	10	1070500000	WFF 35
WZAF 70	4 mm²	32 A	10	1066200000	WFF 70
WZAF 120	4 mm²	32 A	10	1066300000	WFF 120
WZAF 185	4 mm²	32 A	10	1066400000	WFF 185
WZAF 300	4 mm²	32 A	10	1066500000	WFF 300

PEN bridges

Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge joins separate PE and N conductors into one PEN conductor, creating the transition from a TN-S to a TN-C system.

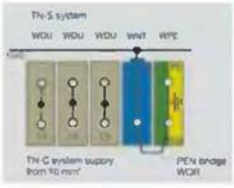
Standard installation

Depending on the terminal type, inside or outside PEN bridges are available for both PE and N conductor terminals from 10 mm².

Important! For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

Building installation with N-conductor isolation

There are special outside cross-connectors (WQB-PEN) for N-conductor disconnect terminals (WNT) which establish the contact between NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



External PEN bridge

Inside PEN bridge

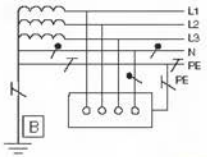
WQB-PEN ...

Type	Qty	Order No.	For terminal
with standard terminals			
WQB-PEN 10	10	1060300000	WPE 10 WDU 10 BL
WQB-PEN 16	10	1060200000	WPE 16 WDU 16 BL
WQB-PEN 3	10	1060100000	WPE 35N WDU 35N BL
with N-conductor disconnect terminals			
WQB-PEN 16N	10	1079600000	WNT 16N WPE 16N
WQB-PEN 35N	10	1079500000	WNT 35N WPE 35B
WQB-PEN 70N	10	1079700000	WNT 70N WPE 70N

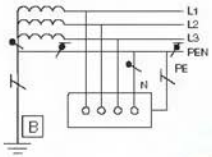
WQV ... -PEN

Type	Qty	Order No.	For terminal
WQV 16N-PEN	10	1071360000	WPE 16N WDU 16N BL
WQV 70N-PEN	5	9201620000	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	1072300000	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	1072400000	WPE 120/150 WDU 120/150 BL
WQV 50N-PEN		9201610000	WPE 50N WDU 50N
WQV 95N/120N-PEN		9201620000	WPE 95N/120N WDU 95N/120N

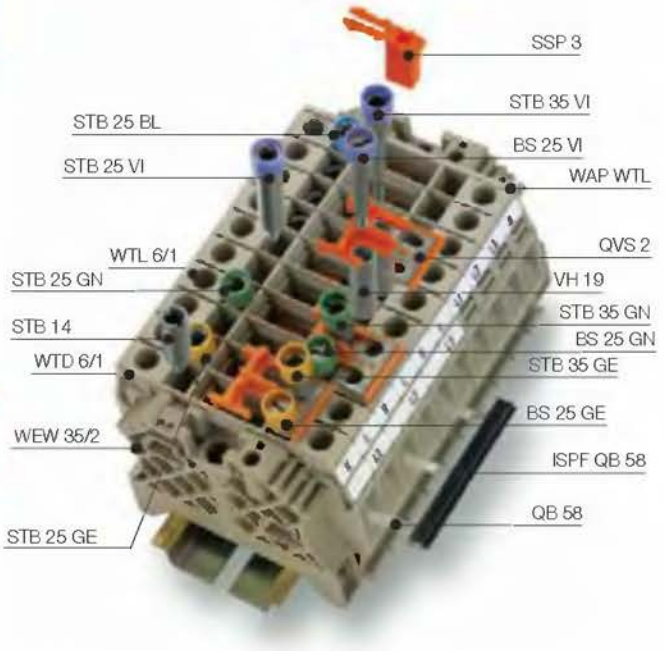
TN-S system:



TN-C system:



Accessories for disconnect test terminals

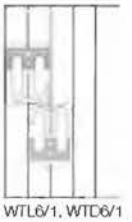


Cross-connection slider QVS...

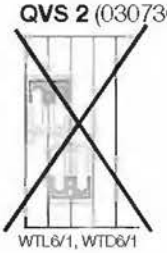
Connection sleeves VH 19 and fixing screws BS 25 (or sockets StB 35) are required for fastening the QVS in the individual terminals.
The fixing screws have an insulating sleeve as colour marking and a screwdriver guide. Cross-connection sliders are designed so that the sockets inserted in the terminals remain available for test plugs at every position.
The 2-pole version type QVS 2S is designed to slide with test plugs plugged in. If the option of testing is required when the QVS is plugged in, socket StB 35 can be used for fastening.
The clearance and creepage sections required for the rated voltage of the terminal are changed when accessories are fitted.

Sockets type StB are screwed into the busbar of the terminal. They take test plugs type PS4 or cross-connectors type QS2.

QVSK 2 (167036)



QVS 2 (030730)



Note:
QVS 2 cannot be switched offset to each other.

Technical data

Rated voltage for neighbouring	rated voltage
QVS	63 V
WQV	up to 400 V
QL	250 V

for neighbouring	rated voltage
StB 25	63 V
StB 30.5	63 V
StB 35	63 V

To retain the rated voltage, partition plates TW or partition discs TSch have to be used, except with WQV

SSP WTL, SSP 3 and **SSP 4** prevent unwanted opening or closing of current circuits. They block the disconnecting slider in its particular position. The lockout device is easily pressed into the terminal, but can only be removed again with a tool.

Type	Qty	Order No.
SSP 3	100	0531760000
SSP 4	20	1319360000
SSP WTL	100	1604200000

QVS 1

Cross-connection slider

Type	No. of poles	Qty	Order No.
QVS 2	2	20	0307300000
QVSK 2	2	20	1670360000
QVS 3	3	20	0329300000
QVS 4	4	20	0307400000
QVS 2S	2	20	0358460000

STB

Sockets

Type	Colour	Qty	Order No.
STB 14			
STB 14		50	0169900000
STB 25			
STB 25	yellow	50	0267200000
STB 25	green	50	0271200000
STB 25	violet	50	0271300000
STB 25	black	50	0271500000
STB 25	grey	50	0271400000
STB 25	blue	50	0343400000
STB 25	red	50	0343300000
STB 30,5			
STB 30.5	black	50	0341000000
STB 30.5	grey	50	0341100000
STB 30.5	blue	50	0341200000
STB 30.5	red	50	0341300000
STB 30.5	green	50	0341400000
STB 30.5	yellow	50	0341500000
STB 30.5	violet	50	0341600000
STB 35			
STB 35	yellow	50	0389000000
STB 35	green	50	0388900000
STB 35	violet	50	0389100000
STB 35	black	50	0388500000
STB 35	grey	50	0388600000
STB 35	blue	50	0388700000
STB 35	red	50	0388800000

Accessories for disconnect test terminals

BS fixing screws

VH connecting sleeves

WQV cross-connections

WQV cross-connections allow for finger and hand-safe connection between neighbouring terminals in accordance with VBG 4.

QL cross-connection lug

Cross-connection lugs type QL are used in disconnect terminals WLT 6.1 as fixed i.e. not switching cross-connection. They are fastened with connecting sleeves VH 12 and fixing screws BS M 3 x 20 (or sockets StB 30.5).
The clearance and creepage distances required for the rated voltage of the terminal can be changed when accessories are installed. This applies in particular to the cross-connection of neighbouring terminals of differing potential.

WKB / WKS cross-connection bridge

WKB can be inserted from above in the case of cross-disconnect terminal type WTQ 6/1.
The integrated disconnect slider is then responsible for connection or disconnection.

QS2 cross-connection plug

For sockets diameter 4 mm, for loads up to 44 A.

BS / VH

Type	Colour	Qty	Order No.
Fixing screws			
BS 25	yellow	50	**0335700000**
BS 25	green	50	**0335600000**
BS 25	violet	50	**0335800000**
BS 25	grey	50	**0335300000**
BS 25	black	50	**0335200000**
BS 25	blue	50	**0335400000**
BS 25	red	50	**0335500000**
BS 25	blank	50	**0334700000**
BS M3 x 20 CuNi 60 (copper alloy)		100	**0377100000**
Connecting sleeves			
VH 19 CuZn 39 (brass alloy)		50	**0318000000**
VH 12 E-Cu 57 (copper alloy)		100	**0249000000**

WQV / QL

WQV (only for WTL 6/2, WTL 6/3)

Type	No. of poles	Qty	Order No.
WQV			
WQV 6/2	2	50	**1052360000**
WQV 6/3	3	50	**1054760000**
WQV 6/4	4	50	**1054860000**
WQV 6/5	5	50	**1062660000**
WQV 6/7	7	50	**1062680000**
WQV 6/10	10	20	**1052260000**
QL			
QL 2	2	50	**0194300000**
QL 3	3	50	**0194400000**
QL 4	4	50	**0194500000**
QL 5	5	50	**0220500000**
QL 6	6	50	**0220600000**
QL 10	10	20	**0338300000**
QL 15	15	10	**0221200000**

WKS / WKB

WKS **WKB**

Type	No. of poles	Qty	Order No.
WQV			
WKB 1/2	2	50	**1604280000**
WKB 1/3	3	50	**1604300000**
WKB 1/4	4	50	**1604320000**
WKB 1/10	10	20	**1604330000**
WKS			
WKS 1/2	2	50	**1604270000**
WKS 1/3	3	50	**1604290000**
WKS 1/4	4	50	**1604310000**

QS 2

Type	No. of poles	Qty	Order No.
WQV			
QS 2 x = 8 mm, y = 16 mm	2	20	**0270960000**
QS 2 x = 10 mm, y = 20 mm	2	20	**0270860000**
QS 2 x = 12 mm, y = 20 mm	2	20	**0270760000**

Accessories – Colours

The colours listed are available as standard. Other terminal types can be supplied in customised colours on request for quantities exceeding the minimum quantity.

Standard design

	Colour	Qty	Order No.
WDU 2.5			
WDU 2.5 OR	orange		1020060000
WDU 2.5 BR	brown		1037710000
WDU 2.5 GE	yellow		1020020000
WDU 2.5 GN	green		1020090000
WDU 2.5 GR	grey		1037720000
WDU 2.5 RT	red		1020040000
WDU 2.5 SW	black		1020010000
WDU 2.5 VI	violet		1037700000
WDU 2.5 WS	white		1036800000
WDK 2.5			
WDK 2.5 OR	orange		1021560000
WDK 2.5 WS	white		1790000000
WDK 2.5 V			
WDK 2.5 V OR	orange		1022360000
WDK 2.5 V GE	yellow		1022350000
WDU 4			
WDU 4 OR	orange		1036760000
WDU 4 BR	brown		1037810000
WDU 4 GE	yellow		1020120000
WDU 4 GN	green		1020160000
WDU 4 GR	grey		1037800000
WDU 4 RT	red		1020140000
WDU 4 SW	black		1020110000
WDU 4 VI	violet		1037820000
WDU 4 WS	white		1036700000
WDU 6			
WDU 6 OR	orange		1020260000
WDU 6 GE	yellow		1040220000
WDU 6 GR	grey		1039900000
WDU 6 RT	red		1020240000
WDU 6 SW	black		1020210000
WDU 10			
WDU 10 OR	orange		1020360000
WDU 10 GR	grey		1020320000
WDU 10 RT	red		1020340000
WSI 6			
WSI 6 OR	orange		1011060000
WSI 6 SW	black		1011010000
WSI 6 BL	blue		1011030000
WTD 6/1			
WTD 6/1 GE	yellow		1631760000
WTD 6/1 GR	grey		1017120000
WTD 6/1 RT	red		1631750000
WTD 6/1 SW	black		1631770000
WTL 6/3			
WTL 6/3 BR	brown		1018640000
WTL 6/3 GR	green		1018850000

Compact design

	Colour	Qty	Order No.
WDU 2.5N			
WDU 2.5N OR	orange		1023760000
WDU 2.5N GE	yellow		1023790000
WDK 4N			
WDK 4N OR	orange		1041960000

Pre-fitted terminal blocks

Readily assembled and marked terminal blocks are available as a standard feature for smaller cross-section ranges.
Installation times can be reduced by simply slotting on complete blocks. The rating data depend on the corresponding terminal type.

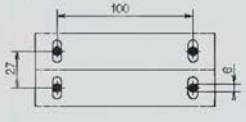
Important!

- Tolerances for mounting must be heeded in project planning. A mounting tolerance of +0.1 mm must be expected for each terminal.
- In terminal blocks marked 1– 9, the 10th terminal is free for decade marking
- Terminal blocks WDU 70/95 and WDU 120/150 for direct mounting only.
  For direct mounting without the terminal rail please take notice of the drilling plan. Fixing with screw M6x16.
  (Order No. 1063700000/ VPE 20)

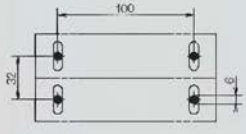
WDU 2.5	Qty	Oder No.	Description
WDU 2.5/10 BEZ	10	1020700000	10 x WDU 2.5, identified by printed marking strip DEK 5 (nos. 1 – 9)
WDU 2.5/10 BEZ/NE	10	1020800000	10 x WDU 2.5, with blank marking strip DEK 5
WDK 2.5			
WDK 2.5/10	10	1025700000	10 x WDK 2.5 (WQV), with blank marking strip DEK 5
WDK 2.5 ZQV/10/BEZ	10	1025610000	10 x WDK 2.5 (ZQV), identified by printed marking strip DEK (nos. 1-9)
WDU 4			
WDU 4/10/BEZ	10	1020900000	10 x WDU 4, identified by printed marking strip DEK 6 (nos. 1-9)
WDU 4/10	10	1021000000	10 x WDU 4 identified by blank marking strip DEK 6
WMA 4/4	20	1034000000	3 x WDU 4 (marked L1, L2, L3), WPE 4 (marked PE)
WMA 4/5	20	1033800000	3 x WDU 4 (marked L1,L2,L3), DEU 4 in blue (identified by N), WPE 4 (marked PE)
WDU 70/95			
WDU 70/95/3	4	1026700000	3 x WDU 70/95
WDU 70/95/5/N	2	1032300000	mains terminal block, 3x WDU 70/95 dark beige, 1x WDU 70/95 blue, 1 x WDU 70/95 green
WDU 120/150			
WDU 120/150/5	2	1026800000	5 x WDU 120/150
WDU 120/150/5/N	2	1032400000	mains terminal block, 3 x WDU 120/150 dark beige, 1 x WDU 120/150 blue, 1 x WDU 120/150 green
WDL 2.5			
WDL 2.5/3/S/NT/L/PE	25	1034200000	3 x WDL 2.5/S/NT/L/PE
WDL 2.5/2/NT/L/PE-L/L	20	1034100000	WDL 2.5/S/NT/L/PE and WDL 2.5/S/L/L
AKZ 1.5			
AKZ 1.5/10	10	0358060000	10 x AKZ 1.5
AKZ 1.5/10/BEZ	10	0358160000	10 x AKZ 1.5, identified by printed marking strips DEK 5 (nos. 1-9)
AKZ 4			
AKZ 4/10	10	0359560000	10 x AKZ 4
AKZ 4/10/BEZ	10	0359660000	10 x AKZ 4, identified by printed marking strips DEK 5 (nos. 1-9)
Compact design WDU 2.5N	**Qty**	**Oder No.**	**Description**
WDU 2.5N/10 BEZ/NE	10	1024800000	10 x WDU 2.5N, identified by printed marking strips DEK 5 (nos. 1-9)

Drilling plan

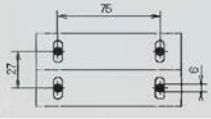
WDU 70/95



WDU 120/150

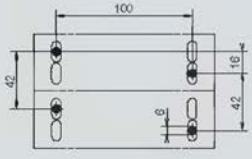


WFF 35

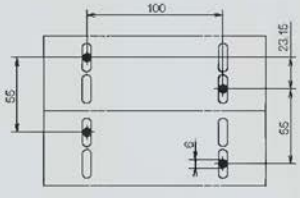


WFF 70

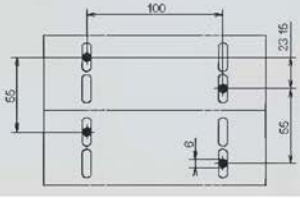
WFF 120



WFF 185 / WFF 185 M 12 + M 16

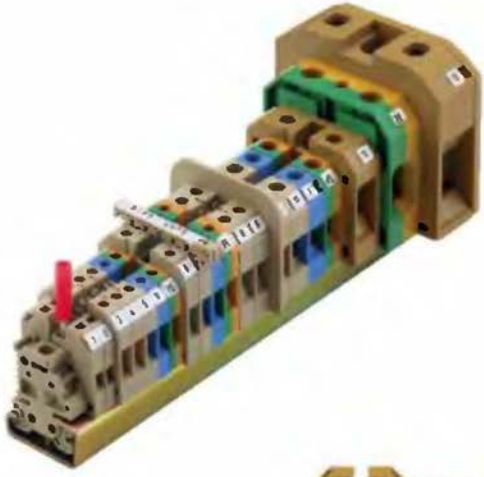


WFF 300



SAK-Series / Screw connection with clamping yoke

- **Put to the test billions of times**
  Countless approvals, specifications and the world's most extensive range of terminals mean that SAK terminals can be used for a wide range of different applications.
- **The right materials for every application**
  Ambient temperatures are not an issue for the SAK-Series thanks to different materials such as polyamide, thermo-plastics and heat-resistant ceramics.
- **Best conductivity and high contact force**
  Thanks to its design, the legendary high-strength steel screw clamp absorbs every geometric change to the connected conductor.



All materials checked for conformity with the latest environmental directives and RoHS requirements.

Versions

- Cross-sections from 0.5 to 35 mm²
- TS 32/TS 35 "2 in 1" combination foot

- Cross-sections from 0.5 to 95 mm²
- Special foot for TS 35
- Special foot for TS 32

Product overview

Terminal type	Rated cross-section 2.5 mm²	4 mm²	6 mm²	10 mm²	16 mm²	35 mm²	Flat-blade connection	Faston-connection	Spring-loaded	Solder connection
Feed-through terminals										
PA 6.6 / TS 32	•	•	•	•	•	•		•	•	•
KrG / TS 32	•	•	•	•	•	•	•	•	•	•
PA 6.6 / TS 35	•	•	•	•	•	•		•	•	•
KrG / TS 35	•	•	•	•	•	•	•			
PA 6.6 / combination foot	•	•	•	•	•	•				
PA 6.6 / TS 15	•	•						•		•
Double level terminals		•								
PE terminals										
PA 6.6 / TS 32	•	•		•	•	•				
PA 6.6 / TS 35	•	•	•	•	•	•				
PA 6.6 / TS 15	•	•								
Fuse terminals										
PA 6.6 / TS 32				•						
PA 6.6 / TS 35				•						
KrG / TS 32				•	•					
KrG / TS 35				•	•					
PA 6.6 / TS 15		•								
PA 6.6 / combination foot		•								
Double level fuse terminals										
PA 6.6 / TS 32		•								
PA 6.6 / TS 35		•								
PA 6.6 / combination foot		•								
Disconnect terminals										
TS 35		•		•						
PA 6.6 / TS 15		•								
Double level disconnect test terminals		•						•		
Ceramic terminals		•		•						

For further information please refer to our SAK catalogue!

1 The connection

Separation of electrical and mechanical functions:

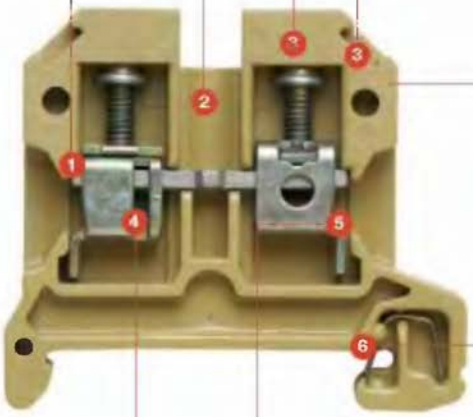
- Clamping yoke and clamping screw made from hardened steel for high contact forces.
- A copper current bar for a low through resistance. The tin-plated surface guarantees minimum contact resistance.
- Gas-tight clamping point.
- Clamping point suitable for a wide range of cross-sections.

2 Cross-connection channel

- Any number of poles can be created by stacking the pre-fitted cross-connections.

3 Easy to use

- Built-in reserve when undoing the clamping screw – particularly important for mechanical screwing tools.
- Recessed clamping screw position provides guide for screwdriver.
- All parts fitted captive within the terminal.
- Numerous labelling options.



Insulating materials and max. temperatures

- PA – 100°C
- KrG – 130°C
- EP – 160°C
- Ceramic – 250°C

6 3 different snap-on feet

4 Reliable contact

- The steel clamping yoke compensates for temperature-induced changes to the conductor (no gradual loosening) required.
- Low-maintenance, vibration-resistant connection – no need to retighten the clamping screw.
- The highest contact force of any connection system – and in a compact space.

5 Safe to use

- Terminals supplied with open clamping point
- Yoke tab prevents incorrect insertion of conductors.

Standards and directives

The reliable contact and dependability of the Weidmüller systems are verified by:

- Type tests to IEC 6047-7-1/2
- National and international approvals
- A large portfolio of UL and CSA approvals
- ATEX approval

Accessories

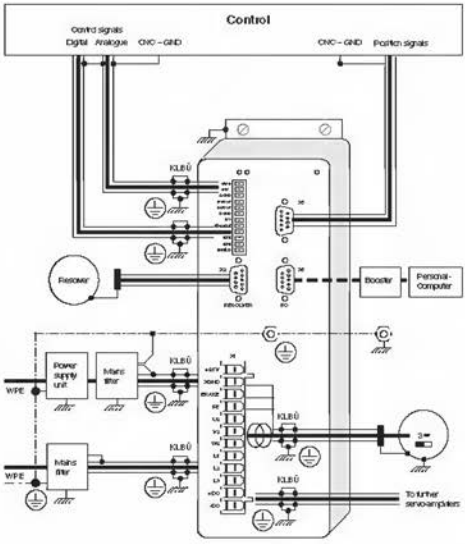
Accessories		
	Shield connection terminals KLBÜ	F.2
	Multipin terminal strips for direct mounting	F.12
	Busbars / terminal rails	F.18
	Terminal markers	F.30
	Printing systems	F.48
	Tools	F.54
	Wire end ferrules	F.74
	Insulated cable connectors	F.86

The theoretical concept

Part 1 of the VDE 0133 standard specifies the required equipotential bonding for the electrical components of a machine. The aim is to prevent any undesirable consequences occurring as a result of electrostatic, electromagnetic and network bound interference.

The following measures serve this purpose:

- Using filters and time delay devices.
- Dividing earth (PE) into "dirty" and "clean".
- Neutral grounding using large earth cables for bonding.
- Keeping all bonding leads as short as possible.
- Routing all connections parallel to the bonding surface.
- Separation and shielding of switching devices and interference sensitive equipment, shielded at one end only.
- Shielded lines are used for all motor and all signal connection. These shielded cables for signals are grounded at one end. Drives to Motors should be grounded at both ends.
- The mass current is neutral grounded



Overview of KLBÜ fittings available

For busbars 10 x 3

For direct mounting

For C-profiles

For TS 35 insulating/conducting

Clip-on for 10 x 3 busbar

In detail

Compression spring

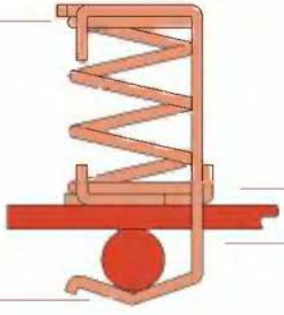
- To ensure both simple handling and proper connection with permanent contact pressure as a result of the spring effect

No extra tools necessary

- Simply **swivel onto the busbar by hand** – retrospectively if necessary

Full range

- For conductors from 2 to 37 mm diameter



Reliable contact

- Changes in diameter (flow) of the conductor compensated for by the elastic behaviour of the clamping yoke for flexible adjustment to the cable diameter

Many options available

- Weidmüller offers a wide range of different fastenings for mounting shield connection terminals

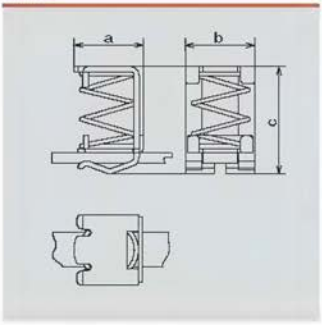
Shield connection terminals KLBÜ for 10 x 3 mm busbars

Clamping yoke

Cable fastened against
the busbar from below

KLBÜ 2 x 2-6 KLBÜ 3-8 KLBÜ 4-13.5 KLBÜ 10-20 KLBÜ 15-32

KLBÜ



Ordering data

Type	For cable diameter	Dimensions (a x b x c) mm	Qty	Order No.
KLBÜ 2 x 2-6	2.0 ... 6.0 mm	5.0 x 18.0 x 24.0	10	1675350000
KLBÜ 3-8	3.0 ... 8.0 mm	3.0 x 18.0 x 26.0	10	1600430000
KLBÜ 4 x 13.5	4.0 ... 13.5 mm	20.0 x 20.5 x 31.5	10	1592810000
KLBÜ 10-20	10.0 ... 20.0 mm	25.0 x 26.0 x 40.0	10	1600490000
KLBÜ 15-32	15.0 ... 32.0 mm	36.0 x 32.0 x 63.9	10	1716300000

10 x 3 mm busbars	Length	Material	Qty	Order No.
SSoh 10 x 3 x 1000 Cu, Sn, Pb	1000.0 mm	Cu, Sn, Pb	1	0348900000
SSoh 10 x 3 x 1000 Fe, Zn, 8B	1000.0 mm	Fe, Zn, 8B	1	1746130000

Marking on the product: ⓔ

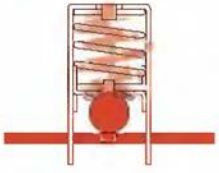
Marking EN 50019: ⓔ Ex e II

Marking EX-RL 94/9/EC: II 2 G D

EC type testing certificate: DMT 02 ATEX E 024 U

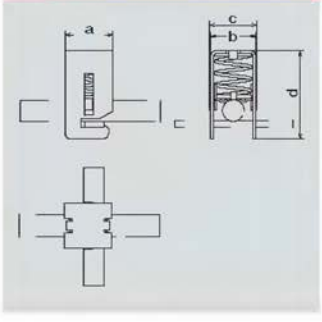
Clamping yoke

Cable fastened onto the busbar from above



KLBÜ CO 1 KLBÜ CO 2 KLBÜ CO 3 KLBÜ CO 4 KLBÜ CO 5

KLBÜ CO



Marking on the product: Ⓔ

Marking EN 50019: Ⓔ Ex e II

Marking EX-RL 94/9/EC: II 2 G D

EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

Type	For cable diameter	Dimensions (a x b x c x d) mm	Qty	Order No.
KLBÜ CO 1	3.0 ... 10.0 mm	18.0 x 12.0 x 13.2 x 32.0	10	1758311001
KLBÜ CO 2	4.0 ... 15.0 mm	18.0 x 20.0 x 21.1 x 41.6	10	1752131001
KLBÜ CO 3	10.0 ... 20.0 mm	25.0 x 23.0 x 24.0 x 45.0	10	1749151001
KLBÜ CO 4	15.0 ... 28.0 mm	25.0 x 31.0 x 32.0 x 56.0	10	1749161001
KLBÜ CO 5	20.0 ... 37.0 mm	32.0 x 40.0 x 42.7 x 64.5	10	1755081001

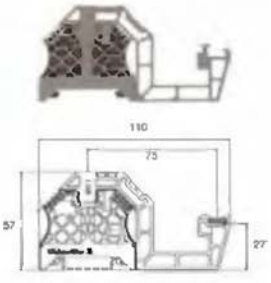
10 x 3 mm busbars	Length	Material	Qty	Order No.
SSoh 10 x 3 x 1000 Cu, Sn, Pb	1000.0 mm	Cu, Sn, Pb	1	0348900000
SSoh 10 x 3 x 1000 Fe, Zn, 8B	1000.0 mm	Fe, Zn, 8B	1	1746130000

Shield connection terminals KLBÜ for 10 x 3 mm busbars

Busbar holders

Insulated mounting on TS 35

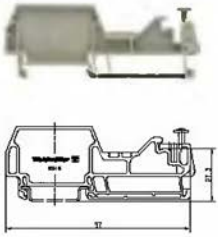
Type WSH 1



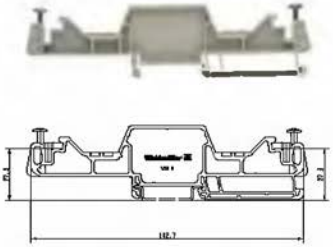
Horizontal mounting only

Type WSH 3/H/N

Type WSH 5



Type WSH 6



WSH

EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

Type	Width	Qty	Order No.
WSH 1	8.0 mm	10	1068700000
WSH 3/H/N	8.0 mm	10	1715970000
WSH 5	8.0 mm	10	1080100000
WSH 6	8.0 mm	10	1080200000

10 x 3 mm busbars	Length	Material	Qty	Order No.
SSch 10 x 3 x 1000 Cu, Sn, Pb	1000.0 mm	Cu, Sn, Pb	1	0348900000

Busbar holders

Conductive mounting on TS 35

TS 35-Clip
BS 35/WSH 2

Busbar connector
BFEH 1/WSH

Angled rail
SMSE WSH U1MT

Installation example 1
- One busbar
- 2 x WSH 19 MT busbar holder set

Installation example 2
- Two busbars
- 2 x WSH 18 MT busbar holder set

WSH

EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

TS 35-Clip	Dimensions (L x B x H) mm	Qty	Order No.
BS 35/WSH 2	62.0 x 37.0 x 13.0	10	1760720000

Busbar connector	Dimensions (L x B x H) mm	Qty	Order No.
BFEH 1/WSH	20.0 x 31.0 x 13.5	10	1082400000

Angled rail	Dimensions (L x B x H) mm	Qty	Order No.
SMSE WSH U1MT	134.0 x 13.0 x 134.0	10	1083900000

Busbar holder sets	Contents (parts loose in plastic bag)				
	BS 35/WSH 2	BFEH 1/WSH	SMSE WSH U1MT	Qty	Order No.
WSH 18 MT	1 ea.	2 ea.	2 ea.	10	1083100000
WSH 19 MT	1 ea.	1 ea.	1 ea.	10	1083200000
WSH 20 MT	1 ea.	1 ea.	1 ea. (straight)	10	1752950000

10 x 3 mm busbars	Length	Material	Qty	Order No.
SSoh 10 x 3 x 1000 Cu, Sn, Pb		1000.0 mm	Cu, Sn, Pb	1	0348900000
SSoh 10 x 3 x 1000 Fe, Zn, 8B		1000.0 mm	Fe, Zn, 8B	1	1746130000

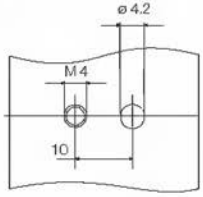
Clamping yoke

KLBÜ 3-8 SC

KLBÜ 4-13.5 SC

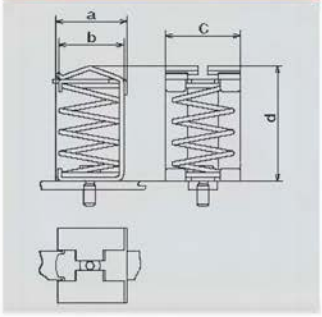
KLBÜ 10-20 SC

KLBÜ 15-32 SC



Drilling template KLBÜ 15 - 32 SC

KLBÜ SC



Marking on the product: ⓔ

Marking EN 50019: ⓔ Ex e II

Marking EX-RL 94/9/EC: II 2 G D

EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

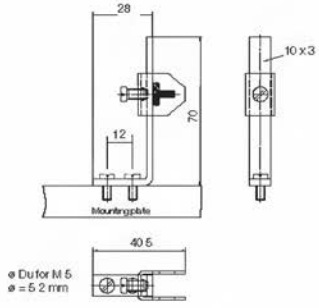
Type	For cable diameter	Thread length	Dimensions (a x b x c) mm	Qty	Order No.
KLBÜ 3-8 SC	3.0 ... 8.0 mm	5.65 mm	13.5 x 11.5 x 18.0 x 26.0	10	1692261001
KLBÜ 4-13.5 SC	4.0 ... 13.5 mm	5.20 mm	20.0 x 17.8 x 20.3 x 31.4	10	1712311001
KLBÜ 10-20 SC	10.0 ... 20.0 mm	5.20 mm	24.8 x 23.0 x 26.0 x 40.0	10	1712321001
KLBÜ 15-32 SC	15.0 ... 32.0 mm	4.80 mm	36.0 x 33.3 x 32.0 x 64.0	10	1718341001

Operating tool	Qty	Order No.
BTWZ KLBÜ	1	1742630000

Busbar holder / Spacer

Busbar holder

Set (WSH 4 MT) consisting of:
– 1 busbar holder
– 1 busbar connector (BFEH 1/WSH)



Spacer

M6 outer and inner thread
(15 mm, 20 mm and 30 mm long)

WSH 4 MT / SP

EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

Busbar holder	Qty	Order No.
WSH 4 MT	10	1079900000

Type	Length	Qty	Order No.
SP 15, set of 2	15 mm	1	3896100000
SP 20, set of 2	20 mm	1	3896200000
SP 30, set of 2	30 mm	1	3896300000

FM 4 foot / Clamping yoke holder

FM 4 foot

The KLBÜ SC clamping yokes (see page F.8) are screwed onto the **FM 4** foot.

Clamping yoke holder

BS 35 II (without KLBÜ)

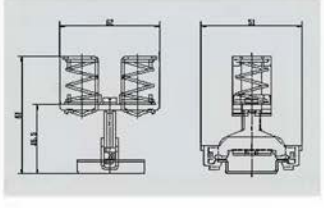
BS 35 II / KLBÜ 3-8

BS 35 II / KLBÜ 3-8 / 2 x 2-6

FM 4 / BS 35 II

Ordering data

FM 4 foot	Qty	Order No.
FM 4	40	0637900000



Clamping yoke holder	For cable diameter	Qty	Order No.
BS 35 II	without KLBÜ	10	1723800000
BS 35 II / KLBÜ 3-8	3.0 ... 8.0 mm	10	1723810000
BS 35 II / KLBÜ 4-13.5	4.0 ... 13.5 mm	10	1723820000
BS 35 II / KLBÜ 3-8/2 x 2-6	3.0 ... 8.0 mm / 2.0 ... 6.0 mm	10	1749430000
BS 35 II / KLBÜ 2 x 3-8/2 x 2-6	3.0 ... 8.0 mm / 2.0 ... 6.0 mm	10	1768020000

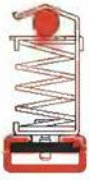
Marking on the product: ⟨Ex⟩

Marking EN 50019: ⟨Ex⟩ Ex e II

Marking EX-RL 94/9/EC: II 2 G D

EC type testing certificate: DMT 02 ATEX E 024 U

Clamping yoke



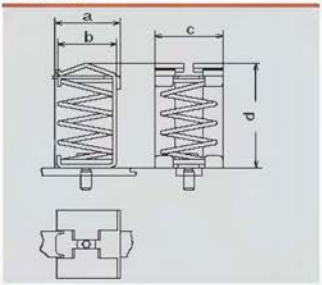
KLBÜ 3-8 CPF

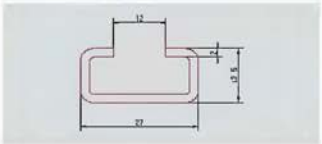
KLBÜ 4-13.5 CPF

KLBÜ 10-20 CPF

KLBÜ 15-32 CPF

KLBÜ CPF





Marking on the product: Ⓔ

Marking EN 50019: Ⓔ Ex e II

Marking EX-RL 94/9/EC: II 2 G D

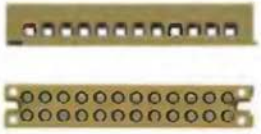
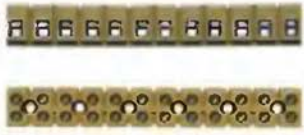
EC type testing certificate: DMT 02 ATEX E 024 U

Ordering data

Type	For cable diameter	Dimensions (a x b x c x d) mm	Qty	Order No.
KLBÜ 3-8 CPF	3.0 ... 8.0 mm	13.5 x 11.5 x 18.0 x 26.0	10	1752681001
KLBÜ 4-13.5 CPF	4.0 ... 13.5 mm	20.0 x 17.8 x 20.3 x 31.4	10	1752691001
KLBÜ 10-20 CPF	10.0 ... 20.0 mm	24.8 x 23.0 x 26.0 x 40.0	10	1752701001
KLBÜ 15-32 CPF	15.0 ... 32.0 mm	36.0 x 33.3 x 32.0 x 64.0	10	1752711001

C-rail	Qty	Order No.
TS 27 x 12.5M / ST / FZN	10 m	1802690000

Screw connection

	MK 2/12	2.5 mm²	MK 3/2 ... 12	2.5 mm²
				
Width x height / ø fixing hole (length and mounting size: see order data)	mm	15.0 x 15.0 / 3.20		15.0 x 16.1 / 3.45
Max. clamping range	mm²	0.21 ... 4.0		0.21 ... 4.0

Technical data

Rating data		IEC	UL	CSA	IEC	UL	CSA
Rated voltage	V	125	300	300	400	300	300
Rated current	A	24	10	10	24	25	25
Rated cross-section	mm²	2.5	24 ..12 AWG	24 ..12 AWG	2.5	22..12 AWG	22 ..12 AWG
Rated impulse withstand voltage / pollution severity	kV/-		2.5 / 3			6 / 3	
Plug gauge to IEC 60-947-1/ flammability class UL 94			A2 / V2			A2 / 5VA	
Approvals							
Clamped conductor (H05V/H07V)							
Solid / stranded	mm²	0.5..4 / 1.5..2.5			0.5..4 / 1.5..2.5		
Flexible / flexible with wire end ferrules	mm²	0.5..2.5 / 0.5..1.5			0.5..2.5 / 0.5..1.5		
Tightening torque range	Nm	0.4..0.45			0.4..0.45		
Stripping length / clamping screw / blade size	mm	5 mm / M 2.5 / 3.5 x 0.6 mm			5 mm / M 2.5 / 3.5 x 0.6 mm		
Notes							

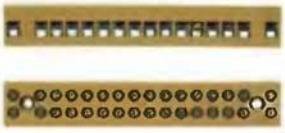
Ordering data

Version	Type	Length/mounting size mm	Qty	Order No.	Type	Length/mounting size mm	Qty	Order No.
2-pole					MK 3/2	17.40 / 18.5	100	0273820000
3-pole					MK 3/3	26.50 / 18.5	50	0273920000
4-pole					MK 3/4	35.75 / 18.5	50	0274020000
5-pole					MK 3/5	45.00 / 18.5	50	0274120000
6-pole					MK 3/6	54.25 / 37.0	50	0274220000
7-pole					MK 3/7	63.50 / 37.0	50	0274320000
8-pole					MK 3/8	72.75 / 55.5	25	0274420000
9-pole					MK 3/9	82.00 / 55.5	25	0274520000
10-pole					MK 3/10	91.25 / 74.0	20	0274620000
12-pole	MK 2/12	86.00 / 80.0	50	0241260000	MK 3/12	110.00 / 92.5	20	0243520000
14-pole								
16-pole								
Notes								

Accessories

Splitrivet	Type	Qty	Order No.	Type	Qty	Order No.
	SN	500	0200100000			
Solder bar						
	MF 2/12		0241760000			
Marking						
printed	BSTb 28/12 bottom	50	0245700000	BSTb 28/12	50	0245900000
	BSTb 28/12 top	50	0278500000	BSTb 28/8	50	0290200000
				BSTb 28/6	50	0290000000
				BSTb 28/4	50	0289800000
not printed	BSTo 28/12	50	0245600000	BSTo 28/12	50	0245800000
				BSTo 28/8	50	0284700000
				BSTo 28/6	50	0289500000
				BSTo 28/4	50	0289300000

MK 4/16 — 2.5 mm²



17.0 x 16.0 / 3.40

0.21 ... 4.0

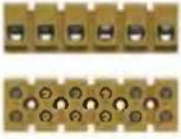
IEC	UL	CSA
400	150	150
24	20	15
2.5	22...12 AWG	22...12 AWG
	6 / 3	
	A2 / 5VA	

05..4 / 15..25
05..25 / 05..15
04..045
8 mm / M 2.5 / 3.5 x 0.6 mm

Type	Length/mounting size mm	Qty	Order No.
MK 4/16	103.00 / 85.5	20	0244220000

Type	Qty	Order No.
BSTb 28/16 bottom	50	0262200000
BSTb 28/16 top	50	0278700000
BSTo 28/16	50	0262100000

MK 6/2 ... 6/6 — 6.0 mm²



23 x 22 / 3.4

0.33 ... 6.0

IEC	UL	CSA
690	300	300
41.0	30	40
6.0	22...10 AWG	22...10 AWG
	8 / 3	
	A3 / V2	

05..6 / 15..6
05..6 / 05..4
12..20
9 mm / M 4 / 4.0 x 0.8 mm

Type	Length/mounting size mm	Qty	Order No.
MK 6/2	23.5 / -	50	0620420000
MK 6/3	36.5 / 13.0	50	0620320000
MK 6/4	49.5 / 26.0	20	0620220000
MK 6/6	75.5 / 52.0	20	0620120000

Type	Qty	Order No.
BSTb 28/6	50	0304600000

MK 10/14 — 2.5 mm²

13.5 x 12 / 3.1

0.21 ... 4.0

IEC	UL	CSA
125	150	300
24	25	10
2.5	22...12 AWG	24...12 AWG
	2.5 / 3	
	A2 / V2	

05..4 / 15..25
05..25 / 05..15
04..045
6 mm / M 2.5 / 3.5 x 0.6 mm

Mounted by gluing or with M3x12 screws. Through the empty terminal point chamber

Type	Length/mounting size mm	Qty	Order No.
MK 10/14	88.5 / -	20	0370160000

Other numbers of poles on request

Type	Qty	Order No.

Screw connection

	MK 5/2 o. DE 2.5 mm²	KS 2 ... 10 2.5 mm²
Width x height / ø fixing hole mm (length and mounting size: see ordering data)	18.0 x 14.2 / 4.2	25.0 x 17.5 / 4.2
Max. clamping range mm²	0.21 ... 4.0	0.21 ... 4.0

Technical data

Rating data		IEC	UL	CSA	IEC	UL	CSA
Rated voltage	V	500			500	300	300
Rated current	A	24			24	20	25
Rated cross-section	mm²	2.5			2.5	22..12 AWG	24..12 AWG
Rated impulse withstand voltage / pollution severity	kV/-	6 / 3			6 / 3		
Plug gauge to IEC 60-947-1 / flammability class UL94		A2 / 5 VA			A2 / 5VA		
Approvals							
Clamped conductor (H05V/H07V)							
Solid / stranded	mm²	0.5..4 / 1.5..2.5			0.5..4 / 1.5..2.5		
Flexible / flexible with wire end ferrules	mm²	0.5..2.5 / 0.5..1.5			0.5..2.5 / 0.5..1.5		
Tightening torque range	Nm	0.4..0.45			0.5..0.7		
Stripping length / clamping screw / blade size	mm	5 mm / M 2.5 / 3.5 x 0.6 mm			8 mm / M 3 / 4.0 x 0.8 mm		
Notes							

Ordering data

Version	Type	Length/mounting size mm	Qty	Order No.	Type	Length/mounting size mm	Qty	Order No.
2-pole	MK 5/2	40 / 32	100	0243320000	KS 2	42 / 32	100	0134420000
3-pole								
4-pole					KS 4	66 / 56	50	0140320000
5-pole								
6-pole					KS 6	90 / 80	50	0140620000
7-pole								
8-pole								
9-pole								
10-pole					KS 10	138 / 128	20	0141620000
12-pole								
14-pole								
16-pole								
Notes								

Accessories

Splitrivet	Type	Qty	Order No.	Type	Qty	Order No.
Cover						
D2 D4	D2 MK 5/2		0244060000	D2 KS2 TP	100	0134500000
				D4 KS4 TP	50	0140500000
				D6 KS6 TP	50	0140800000
				D10 KS 10 TP	20	0141800000
Marking						
printed				ELSb 2	50	0143200000
				ELSb 4	50	0143300000
				ELSb 6	50	0143400000
				ELSb 10	50	0143500000
not printed						
				ELSo 2	50	0142800000
				ELSo 4	50	0142900000
				ELSo 6	50	0143000000
				ELSo 10	50	0143100000

BK 2...12 — 4.0 mm²

22 x 20 / 3.40

0.33 ... 4.0

IEC	UL	CSA
400	300	300
32.0	10	10
4.0	22_12 AWG	22_12 AWG
	6 / 3	
	A3 / 5VA	

0.5..4 / 1.5..4

0.5..4 / 0.5..4

0.5..0.7

8 mm / M3 / 4.0 x 0.8 mm

Type	Length/mounting size mm	Qty	Order No.
BK 3CRN	20 / -	100	0624720000
BK 3CRN	31 / 11.0	100	0624920000
BK 4CRN	38 / 18.0	100	0625120000
BK 6CRN	52 / 32.0	50	0625220000
BK12 CRN	92 / 72.5	25	0625320000

Type	Qty	Order No.
SN	500	0200100000
BSTb 2/2	50	0203600000
BSTb 2/3	50	0203800000
BSTb 2/4	50	0197300000
BSTb 2/6	50	0197500000
BSTb 2/12	50	0198300000
BSTo 2/2	50	0203500000
BSTo 2/3	50	0203700000
BSTo 2/4	50	0197200000
BSTo 2/6	50	0197400000
BSTo 2/12	50	0198700000

Screw connection	BK 2...12/E	4.0 mm²	MK 3/2...12/E	2.5 mm²
ATEX approval				

Width x height / ø fixing hole (length and mounting size: see order data)	mm	22 x 20 / 3.40	15 x 16.1 x 3.45
Max. clamping range	mm²	0.33 ... 4.0	0.21 ... 4

Technical data

Rating data		IEC	UL	CSA	EN 50019	IEC	UL	CSA	EN 50019
Rated voltage	V	400	300	300	275	400	300	300	275
Rated current	A	32.0	10	10	21	24	25	25	15
Rated cross-section	mm²	4.0	22...2 AWG	22...12 AWG	4.0	2.5	22...12 AWG	22...12 AWG	2.5
Rated impulse withstand voltage / pollution severity	kV/-	6 / 3				6 / 3			
Plug gauge to IEC 60-947-1 / flammability class UL94		A3 / 5VA				A2 / 5VA			
Approvals					SIRA 01ATEX3247U				SIRA 01ATEX3248U
Clamped conductor (H05V/H07V)									
Solid / stranded	mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...2.5			
Flexible / flexible with wire end ferrules	mm²	0.5...4 / 0.5...4				0.5...2.5/ 0.5...1.5			
Tightening torque range	Nm	0.5...0.7				0.4...0.6			
Stripping length / clamping screw / blade size	mm	8 mm / M 3 / 4.0 x 0.8 mm				5 mm / M 2.5 / 3.5 x 0.6 mm			
Notes									

Ordering data

Version	Type	Length/mounting size mm	Qty	Order No.	Type	Length/mounting size mm	Qty	Order No.
2-pole	BK 2/E	20 / -	100	7906040000	MK 3/2/E	17.40 / 18.50	100	7906110000
3-pole	BK 3 /E	31 / 11.0	100	7906060000	MK 3/3 E	26.50 / 18.50	100	7906120000
4-pole	BK 4 /E	38 / 18.0	100	7906080000	MK 3/4/E	35.75 / 18.50	50	7906130000
5-pole					MK 3/5/E	45.00 / 18.50	50	7906140000
6-pole	BK 6 /E	52 / 32.0	50	7906090000	MK 3/6/E	54.25 / 37.00	50	7906150000
7-pole					MK 3/7/E	63.50 / 37.00	25	7906160000
8-pole					MK 3/8/E	72.75 / 55.50	25	7906170000
9-pole					MK 3/9/E	82.00 / 55.50	25	7906180000
10-pole					MK 3/10/E	91.25 / 74.00	25	7906190000
11-pole					MK 3/11/E	100.50 / 74.00	25	7906200000
12-pole	BK 12/E	92 / 72.5	25	7906100000	MK 3/12/E	110.00 / 92.50	25	7906210000
Notes								

Accessories

Splitt rivet	Type	Qty	Order No.	Type	Qty	Order No.
	SN	500	0200100000			
Marking						
printed	BSTb 28/2	50	0203600000			
	BSTb 28/3	50	0203800000			
	BSTb 28/4	50	0197300000			
	BSTb 28/6	50	0197500000			
	BSTb 28/12	50	0198300000			
not printed	BSTo 28/2	50	0203500000			
	BSTo 28/3	50	0203700000			
	BSTo 28/4	50	0197200000			
	BSTo 28/6	50	0197400000			
	BSTo 28/12	50	0198700000			

MK 6/2 ... 6/E — 6.0 mm²

23 x 22 / 3.40

0.21 ... 6

IEC	UL	CSA	EN 50019
690	300	300	420
41.0	30	40	25
6.0	22...10 AWG	22...10 AWG	6.0
	8 / 3		
	A3 / V0		
			BAS 99ATEX2123 U

05..6 / 15..6
05..6 / 05..4
12..20
9 mm / M 4 / 4.0 x 0.8 mm

Type	Length/mounting size mm	Qty	Order No.
MK 6/2/E	23.50 / -	50	7906220000
MK 6/3/E	36.50 / 13.00	50	7906230000
MK 6/4/E	49.50 / 26.00	20	7906240000
MK 6/5/E	62.50 / 26.00	20	7906250000
MK 6/6/E	75.50 / 52.00	20	7906260000

Type	Qty	Order No.
BSTb 28/6	50	0304600000

Busbars

In switchgears and controls, it may be necessary to bring the neutral conductor and the protective conductor together at a central point. Busbars are available for this purpose and can be used for connecting a large number of conductors in a confined space (up to 70 conductors on a 1 m busbar). The conductors are connected by means of a screw clamp or tension clamp. Busbars are held in position by pressure clamps or screw clamps onto the busbar holders. The cable clamps can be pushed on the busbar and adjusted to the entire wiring in the system. The busbars can be used unperforated in any lengths. They are fixed using the SH busbar holder which can, for longer busbars, also be positioned between the clamps.

Cable clamps

In order to bring together neutral conductors and protective conductors at a central point, it is advantageous to use ZB cable clamps together with 10 x 3 or 6 x 6 busbars. The cable clamps can be pushed onto the busbar and adjusted to the entire wiring in the system.
The cable clamp serves as the protective conductor connection and can be supplied with green/yellow insulating caps. These caps indicate the protective function and marking tags allow clear identification of each conductor.
If the cable clamps are used to connect neutral conductors, they can be marked with a blue insulating cap.

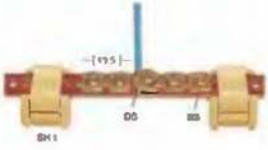
ZBE 6 can also be swivelled onto the busbar retrospectively

Busbars, unperforated

SSch

Type	Material	Cross-section	Length	Current carrying capacity	Qty	Order No.
SSch 10 x 3	Copper, tin-plated	10 x 3 mm	1 m	140 A	1	0348900000
SSch 10 x 3	Steel, galvanised	10 x 3 mm	1 m		1	0438000000
SSch 10 x 3	Brass, blank	10 x 3 mm	1 m	100 A	1	0259800000
SSch 6 x 6	Copper, tin-plated	6 x 6 mm	1 m	140 A	1	0571300000
SSch 6 x 6	Brass, blank	6 x 6 mm	1 m	100 A	1	0571200000
SSch 15 x 6	Copper, tin-plated	15 x 6 mm	1 m	255 A	1	0357400000

Busbars, perforated



NSch / ESch

Type	Material	Cross-section	Length	Current carrying capacity	Qty	Order No.
NSch 15 x 2	Copper, blank	15 x 2 mm	1 m	80 A	1	0280200000
ESch 12 x 2	Steel, galvanised	12 x 2 mm	1 m		1	0280300000

Pressure piece	Qty	Order No.
DKSUE	100	0280100000

Clamping screw	Qty	Order No.
BFSC M5 x 8	100	0296700000

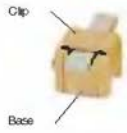
Connection data NSch / ESch

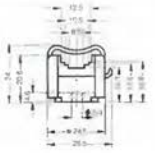
Screw connection solid	0.5 ... 2.5 mm²
Stripping length	9 mm
Cable lug connection	max. 16 mm²
Max. current per connection	27 A

Busbar holders

SH

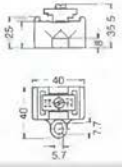
With clip and base





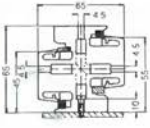
Type	For busbar cross-section		Qty	Order No.
SH 1 TS 15 complete	10 x 3, 6 x 6, 15 x 2, 12 x 2		20	0290860000
Individual parts SH1				
SH 1 Base		20	0401460000	
SH 1 Clip			500	0635960000
Fixing screw for SH1				
BFSC M4X9	for 1 SH1		100	0103300000
BFSC M4X30	for 2 SH1 stacked		50	0267100000

With metal bridge



Type	For busbar cross-section	Qty	Order No.
SH 2S	10 x 3, 6 x 6, 15 x 6, 10 x 5	10	0641720000

With metal bridge



Type	For busbar cross-section	Qty	Order No.
SH 3	10 x 3, 6 x 6, 10 x 5	10	0556660000

Busbar holders

WEW

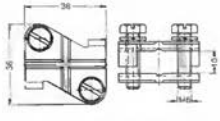
Type	For busbar cross-section	Qty	Order No.
WEW 35/1	10 x 3, 6 x 6	50	1059000000
WEW 35/2	10 x 3, 6 x 6	100	1061200000

WEW 35/1 and WEW35/2 as busbar holder together with the ZB 4 G tension clamp

Connection element

AK 95

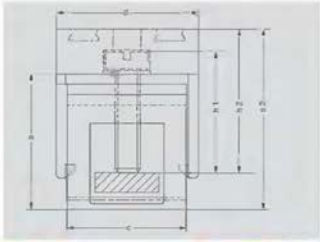
Type	For busbar cross-section	Qty	Order No.
AK 95	15 x 6 mm	10	0364200000



The AK 95 connection element is used as a tension clamp for 15 x 6 busbars
Connection cross-sections.

e = 6... 16 mm²
f = 6...50 mm²
m = 16...50 mm²

Cable clamp, uninsulated



For 10 x 3 mm busbars

ZB / ZBE

Connection cross-section
Solid 0.5 ... 6.0 mm²
Flexible 0.5 ... 4.0 mm²
Stranded -
Clamping screw M3
Stripping length 16 mm

Type	Colour	Dimensions (mm) a	width	c	h1	Qty	Order No.
ZB 4, blank	-	11.7	5.6	16.0	10.0	50	0316600000
Insulating cap	blue					50	0475480000
Insulating cap	green / yellow					50	0475460000

For retrofitting

Connection cross-section
Solid 1.0 ... 10 mm²
Flexible 1.5 ... 10 mm²
Stranded -
Clamping screw M4
Stripping length 19 mm

Type	Colour	Dimensions (mm) a	width	c	h1	Qty	Order No.
ZBE 6, blank	-	19.5	8.2	19.5	19.0	50	0459600000
Insulating cap	blue					50	0526080000
Insulating cap	green / yellow					50	0526060000

Also for 10 x 5 mm busbar

Connection cross-section
Solid 1.5 ... 10 mm²
Flexible 2.5 ... 10 mm²
Stranded -
Clamping screw M4
Stripping length 19 mm

Type	Colour	Dimensions (mm) a	width	c	h1	Qty	Order No.
ZB 10, blank	-	19.5	8.2	19.5	19.0	50	1261300000

Connection cross-section
Solid 2.5 ... 16 mm²
Flexible 2.5 ... 16 mm²
Stranded 16 ... 25 mm²
Clamping screw M4
Stripping length 16 mm

Type	Colour	Dimensions (mm) a	width	c	h1	Qty	Order No.
ZB 16, blank	-	17.0	10.0	16.0	17.0	50	0316600000
Insulating cap	blue					50	0502980000
Insulating cap	green / yellow					50	0502960000

Connection cross-section
Solid -
Flexible 16 ... 35 mm²
Stranded 16 ... 50 mm²
Clamping screw M6
Stripping length 19 mm

Type	Colour	Dimensions (mm) a	width	c	h1	Qty	Order No.
ZB 35, blank	-	21.0	14.4	18.4	20.5	20	0266500000
Insulating cap	blue					50	0502780000
Insulating cap	green / yellow					50	0502760000

For 6 x 6 mm busbar

ZB

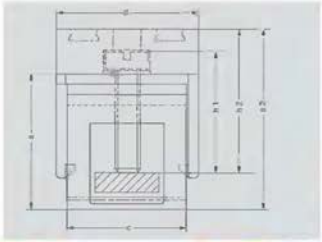
Connection cross-section
Solid 0.5 ... 6.0 mm²
Flexible 0.5 ... 4.0 mm²
Stranded -
Clamping screw M3
Stripping length 16 mm

Type	Colour	Dimensions (mm) a	b	c	h1	Qty	Order No.
ZB 4/6, blank		14.7	5.6	12.5	10.0	50	0556700000
Insulating cap	blue					50	0565380000

Connection cross-section
Solid 2.5 ... 16 mm²
Flexible 2.5 ... 16 mm²
Stranded 16 ... 25 mm²
Clamping screw M4
Stripping length 12 mm

Type	Colour	Dimensions (mm) a	b	c	h1	Qty	Order No.
ZB 16/6, blank		19.0	10.0	12.5	17.0	50	0556200000
Insulating cap	blue					50	0565580000
Insulating cap	green / yellow					50	0565560000

Cable clamp, insulated



For 10 x 3 mm busbars

ZB / ZBE / ZF

Connection cross-section
Solid 0.5 ... 6.0 mm²
Flexible 0.5 ... 4.0 mm²
Stranded -
Clamping screw M 3
Stripping length 16 mm

Type	Colour	Dimensions (mm) a2	width	d	h2	Qty	Order No.
ZB 4 G GN/GE	green/yellow	27.0	7.6	19.7	15.5	50	0322160000
ZB 4 G BL	blue	27.0	7.6	19.7	15.5	50	0322180000
ZB 4 G SW	black	27.0	7.6	19.7	15.5	50	0322110000
ZB 4K GN/GE	green/yellow	18.5	6.0	19.0	13.0	50	0475360000
ZB 4K BL	blue	18.5	6.0	19.0	13.0	50	0475380000

For retrofitting

Connection cross-section
Solid 1.0 ... 10 mm²
Flexible 1.5 ... 10 mm²
Stranded -
Clamping screw M 4
Stripping length 19 mm

ZBE 6K GN/GE	green/yellow	27.0	8.0	22.5	23.0	50	0525960000
ZBE 6K BL	blue	27.0	8.0	22.5	23.0	50	0525980000
ZBE 6K SW	black	27.0	8.0	22.5	23.0	50	0525910000

Connection cross-section
Solid 2.5 ... 16 mm²
Flexible 2.5 ... 16 mm²
Stranded 16 ... 25 mm²
Clamping screw M 4
Stripping length 16 mm

ZB 16K GN/GE	green/yellow	24.0	10.0	19.2	20.0	50	0502360000
ZB 16K BL	blue	24.0	10.0	19.2	20.0	50	0502380000
ZB 16K SW	black	24.0	10.0	19.2	20.0	50	0502310000

Connection cross-section
Solid -
Flexible 16 ... 35 mm²
Stranded 16 ... 50 mm²
Clamping screw M 6
Stripping length 19 mm

ZB 35K GN/GE	green/yellow	25.0	14.4	32.0	20.5	20	0502660000
ZB 35K BL	blue	25.0	14.4	32.0	20.5	20	0502680000
ZB 35K SW	black	25.0	14.4	32.0	20.5	20	0502610000

Tension clamp connection

Connection cross-section
Solid 0.5 ... 4.0 mm²
Flexible 0.5 ... 2.5 mm²
Stranded -
Stripping length 10 mm

ZF 4 S	beige	22.0	6.1	24.5	-	50	1814630000
ZF 4 S BL	blue	22.0	6.1	24.5	-	50	1814660000
ZF 4 S GN/GE	green/yellow	22.0	6.1	24.5	-	50	1814670000

For 6 x 6 mm busbar

ZB

Connection cross-section
Solid 0.5 ... 6.0 mm²
Flexible 0.5 ... 4.0 mm²
Stranded -
Clamping screw M 3
Stripping length 16 mm

Type	Colour	Dimensions (mm) a2	b	d	h2	Qty	Order No.
ZB 4/6K GN/GE	green/yellow	21.2	6.0	25.0	14.0	50	0565460000
ZB 4/6K BL	blue	21.2	6.0	25.0	14.0	50	0565480000

Connection cross-section
Solid 2.5 ... 16 mm²
Flexible 2.5 ... 16 mm²
Stranded 16 ... 25 mm²
Clamping screw M 4
Stripping length 12 mm

ZB 16/6K GN/GE	green/yellow	26.0	9.7	25.0	20.0	50	0569660000
ZB 16/6K BL	blue	26.0	9.7	25.0	20.0	50	0569680000

F

Terminal rail systems

Both active and passive components and intelligent modules are mounted on terminal rails – a method which has proven its worth over the years. But it is only after the use of certain consumables – which are frequently not taken into consideration – that electrical installation is finally completed. In this chapter, users will find a range of terminal rails and profile rails for component installation together with end brackets for holding and isolating the components. This guarantees firm installation and isolation. Weidmüller supplies components which show perfect functional compatibility.

Terminal rails are made of either steel, stainless steel, aluminium, copper or plastic, depending on the area of application.

Stainless steel

Stainless steel is a collective noun for all kinds of steel (alloys) which are smelted in a special process and have a high degree of purity. Stainless steel has much-enhanced resistance to corrosion. Weidmüller's stainless steel terminal rails have the following composition: X5 CrNi 18-10 stainless steel (i.e. ~ 18% chromium, ~ 10% nickel).

Aluminium

Aluminium is second only to copper in its electrical conductivity. One advantage is its light weight. Aluminium oxidises quickly in air; thus passivated, it offers excellent corrosion protection.

Copper

Copper, a heavy metal, has the best electrical conductivity of all metals used. As it is a soft metal, Weidmüller's terminal rails are 2.3 mm thick.

Plastic

The plastic terminal rail scores on two counts: firstly, its insulating properties, and secondly, its low weight. This leads to its use in special applications where, for example, clearance and creepage distances with respect to the mounting plate cannot be achieved with the standard terminal rails.

Steel

Weidmüller started developing RoHS-compliant surfaces at a very early stage to meet the requirements of EU directives. This commitment is now paying off because Weidmüller products comply with the statutory instruments at an early date and provide you, the customer, with the customary, high Weidmüller quality. All the yellow-passivated surfaces so well known to users will in future be replaced by terminal rails with the new **WIN-Q** surface finish. This name stands for the Weidmüller quality, in other words excellent surface protection and, at the same time, excellent electrical properties.

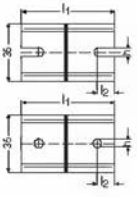
A terminal rail can also be used as a protective conductor busbar. Weidmüller PE / earth terminals in the W-Series, Z-Series, I-Series, SAK- and AKZ-Series comply with requirements stipulated in IEC 60 947-7-2. According to VDE 0100 part 540, for conductors with cross-sectional areas exceeding 10 mm², both protective and neutral conductors may be grouped
together as a single category of conductors designated PEN.

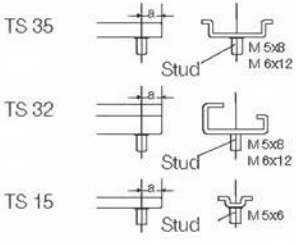
If a terminal rail is used as a **PEN** busbar, the following criteria must be observed:

- Only E-Cu or aluminium profiles are allowed
- Short-circuit currents and thermal rated currents must be taken into account
- The terminal rails are to be insulated as a contribution to protective insulation

All unperforated terminal rails can be provided with fixing holes (state dimensions h and l2).
Possible diameters are 3.5 / 5.6 / 5.5 / 7 mm.

All unperforated steel rails can also be supplied with welded on steel studs (state dimension a and required studs).





TS 15

TS 32

TS 35

TS15 terminal rail

TS 15 x 5

Unperforated

Aluminium	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 15x5 2M/AL/BK	16 mm²	1 mm	2 m	10 m	0134700000
(max. permissible rated current for PEN function = 76 A)					
Steel, galvanised and passivated					
TS 15x5 2M/ST/ZN	10 mm²	1 mm	2 m	2 m	0514200000
TS 15x5 1M/ST/ZN	10 mm²	1 mm	1 m	10 m	0514210000

With slotted hole

Aluminium	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 15x5/LL 2M/AL/BK	16 mm²	1 mm	2 m	2 m	0217900000
(max. permissible rated current for PEN function = 76 A)					
Steel, galvanised and passivated					
TS 15x5/LL 2M/ST/ZN	10 mm²	1 mm	2 m	2 m	0117500000
TS 15x5/LL 1M/ST/ZN	10 mm²	1 mm	1 m	10 m	0117510000

TS 32 terminal rail

TS 32 x 15

Unperforated

Aluminium	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 32X15 2M/AL/BK	70 mm²	1,5 mm	2 m	2 m	0169300000
(max. permissible rated current for PEN function = 192 A)					
Steel, galvanised and passivated					
TS 32X15 2M/ST/ZN	35 mm²	1,5 mm	2 m	2 m	0122300000
TS 32X15 1M/ST/ZN	35 mm²	1,5 mm	1 m	10 m	0122310000
Copper					
TS 32X16,2 2M/CU/BK	120 mm²	2,1 mm	2 m	2 m	0364300000
(max. permissible rated current for PEN function = 269 A)					
Stainless steel					
TS 32X15 2M/CRN	35 mm²	1,5 mm	2 m	2 m	0293220000

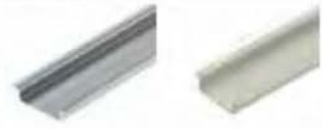
With slotted hole

Steel, galvanised and passivated	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 32X15/LL 2M/ST/ZN	35 mm²	1,5 mm	2 m	2 m	0514400000
TS 32X15/LL 1M/ST/ZN	35 mm²	1,5 mm	1 m	10 m	0514410000

TS 35 terminal rail

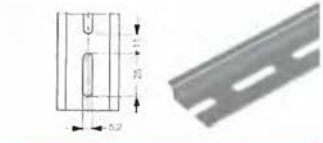
TS 35 x 7.5

Unperforated



Aluminium	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 35X7.5 2M/AL/BK	35 mm²	1 mm	2 m	2 m	0390800000
(max. permissible rated current for PEN function = 125 A)					
Steel, galvanised and passivated					
TS 35X7.5 2M/ST/ZN	16 mm²	1 mm	2 m	2 m	0383400000
Stainless steel					
TS 35X7.5 2M/CRN	16 mm²	1 mm	2 m	2 m	1747350000

With slotted hole



Steel, galvanised and passivated	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 35X7.5/LL 2M/ST/ZN	16 mm²	1 mm	2 m	2 m	0514500000

TS 35 x 15

Unperforated

Copper	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 35X15/2.3 2M/CU/BK	150 mm²	2.3 mm	2 m	2 m	0270100000
(max. permissible rated current for PEN function = 309 A)					
Steel, galvanised and passivated					
TS 35X15/2.3 2M/ST/ZN	50 mm²	2.3 mm	2 m	2 m	0498000000
Aluminium					
TS 35X15/2.3 2M/AL/BK	70 mm²	2.3 mm	2 m	2 m	1848290000
(max. permissible rated current for PEN function = 192 A)					

Unperforated

Steel, galvanised and passivated	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 35X15 2M/ST/ZN	25 mm²	1.5 mm	2 m	2 m	0296400000

With slotted hole

Steel, galvanised and passivated	Short-circuit strength	Material thickness	Length	Qty	Order No.
TS 35X15/LL 2M/ST/ZN	25 mm²	1.5 mm	2 m	2 m	0296500000

TSK 35 x 15

Unperforated

Plastic PVC RAL 7035	Length	Qty	Order No.
TSK 35X15 2M PVC/GR	2 m	2 m	0514300000

End brackets

For TS 15 terminal rail

Polyamide 66, screw-in	Colour	Torque	Qty	Order No.
EWK AKA 2.5	beige	0.4 Nm	50	0348690000
EW 15	beige	0.4 Nm	50	0382690000
Polyamide with fibreglass, screw-in				
EW 15/2	dark beige	0.4 Nm	50	1071900000
Polyamide 66, screwless				
ZEW 15	beige	-	20	7920340000

For terminal rail TS 32

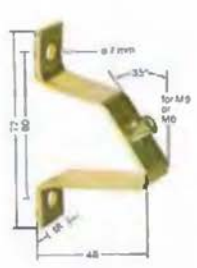
Polyamide 66, screw-in	Colour	Torque	Qty	Order No.
EWK 2	beige	1.2 Nm	50	0199690000
EWK 1 TS 32 M4X18	beige	1.2 Nm	50	0206160000
EWK 1 ALT	beige	0.6 Nm	50	0495160000
Polyamide with fibreglass, screw-in				
WEW 32/1	dark beige	0.5 Nm	50	1067600000

For terminal rail TS 35

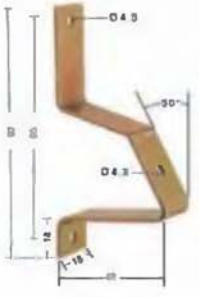
Polyamide 66, screw-in	Colour	Torque	Qty	Order No.
EW 35 GR	grey	0.5 Nm	50	0333580000
EW 35	beige	0.5 Nm	50	0333590000
Polyamide with fibreglass, screw-in				
WEW 35/1	dark beige	1.2 Nm	50	1059000000
WEW 35/2	dark beige	0.5 Nm	100	1061200000
Polyamide 66, screwless				
ZEW (6 mm)	beige	-	20	9540000000
ZEW 35/2 (8 mm)	beige	-	20	8630740000

Terminal rail supports / Mounting feet

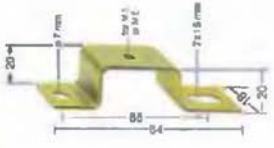
Terminal rail supports



TSTW 6/M6



TSTW D 4.3



TST

	Thread	Qty	Order No.
TSTW 5/M5	M5	10	0178100000
TSTW 5/M5	M5	10	1779100000
TSTW 6/M6	M6	10	0164000000
TSTW D 4.3	Hole ø 4.3 mm	10	1610110000

Terminal rail supports of type **TSTW** are used for angled fixing of terminal rails at an angle of 35°.

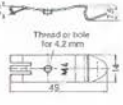
TST 2/M5	M5	10	1286600000
TST 2/M6	M6	10	0101700000

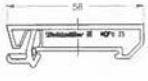
The **TST** terminal rail support is used for assembly of terminal rails in a frame or over a cut-out.

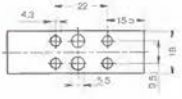
Fixing screws			
FKSC M5x8 Ø9		50	0295000000
FKSC M6x8 Ø9		50	0642600000
FKSC M6x12 Ø9		50	0353500000

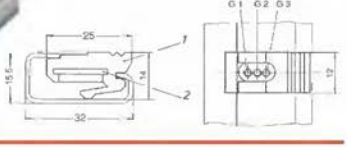
Weidmüller supplies fixing screws with hexagonal sockets and a very low head for the terminal rail supports so that the terminals can also be fitted over the screw.

Mounting feet









Clip-on foot, steel for TS 35	Thread	Qty	Order No.
FM 4	M4	40	0687900000
FM 5	M5	40	0636800000
FM 6	M6	40	0636900000
FM 4.2	Hole ø 4.2 mm	40	1724580000

Mounting foot, PA orange for TS 35			
MOFU 35/LO/1	with holes	20	0646280000
MOFU 35		20	0495680000

Sliding nut for TS 32		Colour		
MB M3/M5	M3 and M5	creme	20	0503500000
MB M5/M3	M5 and M3	black	20	0563400000
MB M6/M4	M6 and M4	grey	20	0334900000

The sliding nut for the RS 32 terminal rail has two threaded holes for screws M3 + M5 / M6 + M4 / M5 + M3. It is used to fasten components which cannot be slotted directly onto the TS 32, in particular the smaller TS 15 top hat rail. This enables, for example, mini-terminals to be snapped onto the TS 15 first, and this rail is then fastened together with the terminals to the TS 32 using the sliding nut.

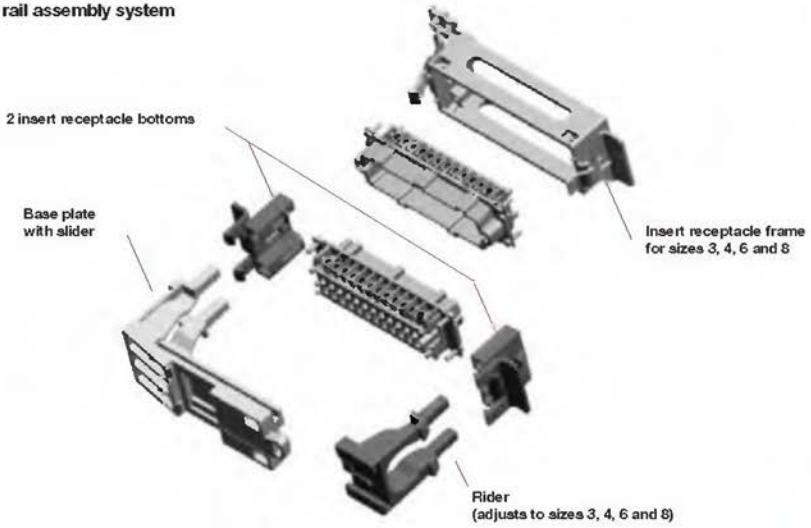
RailMate terminal rail system for the TS 35 x 7.5 and TS 35 x 15 terminal rails

To save costs, it is possible to dispense with an expensive die cast aluminium enclosure within a control cabinet by using RailMate, which provides ingress protection class IP20. The terminal rail assembly system can be used to mount the inserts of the heavy-duty plug-in connectors and also the "ConCept" modular plug-in connector system on the terminal rail. This is all done without tools, simply by clipping the parts on.

A large surface at the base of the insert receptacle and on the frame allow for clear identification of equipment.

In the control cabinet, RailMate lets the user accommodate the maximum number of electrical connections in a minimum area.

RailMate terminal rail assembly system



Ordering data individual components

Type	For inserts of size	Qty	Order No.
Insert receptacle frame			
HDC RailMate HB6 Top	3	10	**1797540000**
HDC RailMate HB10 Top	4	10	**1797550000**
HDC RailMate HB16 Top	6	10	**1797560000**
HDC RailMate HB24 Top	8	10	**1797570000**
Base plate, rider and 2 insert receptacle bottoms			
HDC RailMate Base	3, 4, 6, 8	1	**1797580000**

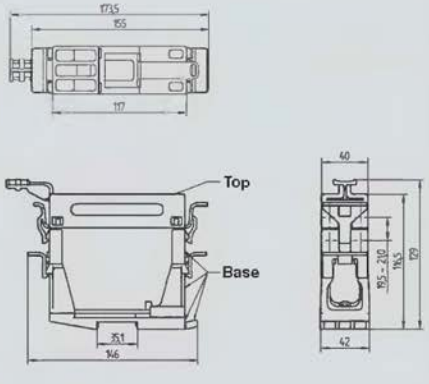
Ordering data sets

Type	For inserts of size	Qty	Order No.
HDC RailMate HB6 Set	3	1	**1797500000**
HDC RailMate HB10 Set	4	1	**1797510000**
HDC RailMate HB16 Set	6	1	**1797520000**
HDC RailMate HB24 Set	8	1	**1797530000**
Each set consists of	1 base plate 1 slider 2 insert receptacle bottoms 1 insert receptacle frame		

Technical data

Material	PC
Properties	Phosphorous and halogen free
Colour	grey (RAL 7032)
Temperature range	–40°C ... +125°C
Flammability class	V-0 to UL 94

Dimensions



Accessories

Type		Qty	Order No.
Coding set			
HDC RailMate COS	60 poles and plugs 6 different coding versions	1	**1798280000**
Marking labels for laser printer (1 sheet = 264 labels)			
LM MT 300 20/8	silver	10 sheets	**1686380001**
LM MT 300 20/8	white	10 sheets	**1686381044**
LM MT 300 20/8	yellow	10 sheets	**1686381687**
Marking labels for thermotransfer printer (1 roll = 10,000 labels)			
THM MT300X 32/9	silver	1 roll	**1751770001**
LM MT 300 20/8	white	1 roll	**1751771044**
LM MT 300 20/8	yellow	1 roll	**1751771687**

Terminal markers

Weidmüller's multitude of different terminal markers enable users to solve virtually every labelling task of all types of wire and cable connectors. Whether multi-character labelling, ready-to-use markers with standard printing or individual, custom markers, whether white or coloured or group designations at terminals, the comprehensive range of Weidmüller products solves every marking task simply, quickly and clearly.

The tables on the following pages show which markers fit the various terminal series. The terminal pitch governs the selection of a marker. For example, a WDU 2.5 terminal has a pitch of 5 mm, the WS 12/5 marker is 12 mm long and suitable for a 5 mm pitch.

Whole blocks of terminals can be marked as a strip using the Weidmüller system. When a terminal with a larger pitch has to be marked (e.g. WDU 16), a smaller marker (e.g. WS 12/5) can be clipped onto it. Most of the markers are compatible with each other.

The two traditional marker series, DEK and WS, are available as ready-to-use markers. And these markers are also available in the MultiCard format for printing by users themselves.

MultiCard – the concept for labelling with the SMark Laser, PrintJet, Plotter or MC-Mobilo.

To see a small selection of the Weidmüller markers, order our bag of samples, order No. **1646670000**.

W series

Z series

I series

Owing to the sheer number of possible applications and environmental influences such as moisture, radiation, gases or heat/cold to which the products can be exposed, Weidmüller accepts no liability for the suitability of products in all customer applications. Suitability tests for specific applications must therefore be carried out by the customer. However, Weidmüller will be happy to provide help and advice upon request.

Designation	Terminal width	DEK	WS	ZS	SchT 7	SchT 9/4	SchT 14/6	WTS 3/4	WGB 5 / WAD 5	WGB 8/ WAD 8	WAD 12	WAD 27	ZGB 15 / ZGB 30	BZT 1	BZT 2	EM 8/30
AKE 2.5/AKZ 2.5...	**5**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKZ 1.5...	**5**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKZ 4.../AKB 4...	**6**	6	8/5	-	-	x	-	-	-	-	-	-	-	-	-	-
BZT ZVL 1.5	**5.08**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
DLA 2.5...	**6**	6	8/5	-	x	x	x	-	-	-	-	-	-	-	-	-
DLD 2.5...	**6**	6	8/5	-	x	x	x	-	-	-	-	-	-	-	-	-
DLI 2.5	**6**	6	8/5	-	x	x	x	-	-	-	-	-	-	-	-	-
EW 15	**9.5**	5	12/5	-	x	x	-	x	-	-	-	-	-	-	-	-
EW 15/2	**8**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EW 35	**8.5**	5	8/5	-	-	-	-	x	-	-	-	-	-	-	-	-
EWK	**8.5**	5	8/5	-	-	-	-	-	-	-	-	-	-	-	-	-
EWK 1	**8.5**	5	8/5	-	-	-	-	x	-	-	-	-	-	-	-	-
EWK 2	**8.5**	5	8/5	-	-	-	-	-	-	-	-	-	-	-	-	-
IAK 1.5N 3L	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IDK 1.5N	**5**	5	10/5[2]	10/5	-	x[3]	-	-	-	-	-	-	-	-	-	-
IDK 1.5N/V	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IDU 1.5 N ...	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IDU 2.5N...	**6**	6	10/6[1]	12/6	-	-	-	-	-	-	-	-	-	-	-	-
IEK 1.5N...	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IIK 1.5N...	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IPE 1.5N...	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
IPE 2.5N...	**6**	6	10/6[1]	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ITR 1.5N...	**5**	5	10/5[2]	10/5	-	-	-	-	-	-	-	-	x	-	-	-
ITR 2.5N...	**6**	6	10/6[1]	12/6	-	-	-	-	-	-	-	-	-	-	-	-
MAK 2.5/VLI 1.5...	**6**	6	8/5	-	x	x	x	-	-	-	-	-	x	-	-	-
WDK 1.5/R 3.5...	**3.5**	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WDK 2.5 ...	**5**	5	8/5	-	-	x	-	-	-	-	-	-	x	-	-	-
WDK 2.5 800V	**6**	6	8/5	-	-	x	-	-	-	-	-	-	x	-	-	-
WDK 2.5/BLA R5.08	**5.08**	5	8/5	-	-	-	-	x	-	-	-	-	-	-	-	-
WDK 2.5/BLZ R5.08	**5.08**	5	8/5	-	-	-	-	x	-	-	-	-	-	-	-	-
WDK 2.5N...	**5**	5	8/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDK 4N...	**5**	5	8/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDL 2.5/...	**6**	6	8/5	-	-	-	-	x	-	-	-	-	x	-	-	-
WDT 1.5	**6,5**	6.5	8/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDTR 2.5...	**6.2**	6	8/5	-	-	x	-	-	-	-	-	-	-	-	-	-
WDU (WPE) 120/150	**32**	5	10/5	-	-	-	-	x	-	-	-	x	-	-	-	-
WDU (WPE) 35 N	**16**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU (WPE) 70/95	**27**	5	12/5	-	-	-	-	x	-	-	-	x	-	-	-	-
WDU (WPE) 70N	**20.5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5 LD/BLA	**5.08**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5/BLA	**5.08**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5/BLZ R7,62	**7.62**	5	-	-	-	-	-	-	-	-	-	-	x	-	-	-
WDU 1.5/BLZ/5.08	**5.08**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5/BLZ/LD/5.08	**5.08**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5/R 3.5...	**3.5**	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WDU 1.5/R/BLA	**5.08**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 1.5/ZZ	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 10 SL	**10**	5	12/5	-	x	x	x	x	x	x	-	-	x	-	-	-
WDU 10...	**10**	5	12/5	-	x	x	x	x	x	x	-	-	x	-	-	-
WDU 16 (/ZA)	**12**	5	12/5	-	x	x	x	x	-	-	x	-	x	-	-	-
WDU 16 N	**12**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 2.5 F	**5**	5	12/5	-	-	-	-	x	-	-	-	-	-	-	-	-
WDU 2.5 FF	**5**	5	12/5	-	x	-	-	x	-	-	-	-	-	-	-	-
WDU 2.5 N (WDU 1.5)	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 2.5 TC...	**5**	5	12/5	-	x	x	-	x	-	-	-	-	x	-	-	-
WDU 2.5...	**5**	5	12/5	-	x	x	x	x	x	-	-	-	x	-	-	-
WDU 25/1.5/ZZ	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 2.5/BLZ R7.62	**7.62**	5	-	-	-	-	-	-	-	-	-	-	x	-	-	-
WDU 240...	**36**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDU 35	**16**	5	12/5	-	x	x	x	x	-	-	x	-	x	-	-	-
WDU 4 ...	**6**	6	12/6	-	x	x	x	x	x	-	-	-	x	-	-	-
WDU 4N ...	**6**	6	12/6	-	x	x	x	x	-	-	-	-	x	-	-	-
WDU 50N	**18.5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDU 6 ...	**8**	8	12/8	-	x	x	x	x	x	x	-	-	x	-	-	-
WDU 95N	**27**	8	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WDUL 4	**6**	6	12/6	-	x	x	x	x	x	-	-	-	x	-	-	-
WEW 32/1	**12.2**	5	12/5	-	x	x	x	x	-	-	-	x	x	-	-	-
WEW 35/1	**12.2**	5	12/5	-	x	x	x	x	-	-	-	x	x	-	-	-
WEW 35/2	**8**	8	12/5	-	x	x	x	x	-	-	x	-	-	-	-	x
WF 10...	**35.6**	6	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WF 12...	**35.6**	6	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WF 5...	**13**	6	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WF 6...	**19.6**	6	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WF 8...	**24.6**	6	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WFF 120...	**42**	5	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WFF 185...	**55**	5	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WFF 300...	**55**	5	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WFF 35...	**27**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WFF 70...	**32**	5	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WMA 4...	**6**	6	12/6	-	x	x	x	x	x	-	-	-	x	-	-	-
WNT 10	**10**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WNT 16 N	**12**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WNT 2.5	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-

1) = WS 10/6 Middle; 2) = WS 10/5 Middle; 3) = SnapMark

Terminal markers – Selection table

Designation

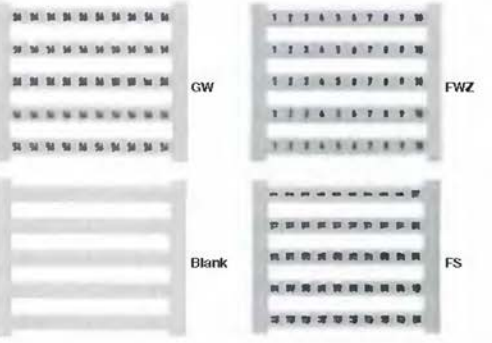
Designation	Terminal width	DEK	WS	ZS	SchT 7	SchT 9/4	SchT 14/6	WTS 3/4	WGB 5 / WAD 5	WGB 8/ WAD 8	WAD 12	WAD 27	ZGB 15 / ZGB 30	BZT 1	BZT 2	EM 8/30
WNT 35 N	**16**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WNT 4	**6**	6	12/6	-	x	x	x	x	-	-	-	-	x	-	-	-
WNT 6	**8**	8	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WNT 70 N	**20.5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 1.5/R3.5	**3.5**	3.5	12/3.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WPE 1.5/ZZ	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 10...	**10**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 120	**32**	8	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WPE 16	**12**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 16 N	**12**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 2.5 N (WPE 1.5)	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 2.5...	**5**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 2.5/1.5/ZR	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WPE 35...	**16**	5	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 4	**6**	6	12/6	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 4N	**6**	6	12/6	-	-	-	-	-	-	-	-	-	-	-	-	-
WPE 50N	**18.5**	8	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WPE 6	**8**	8	12/5	-	x	x	x	x	-	-	-	-	x	-	-	-
WPE 95N/120N	**27**	8	15/5	-	-	-	-	-	-	-	-	-	-	-	-	-
WPO 4	**6**	6	10/6	-	-	-	-	-	-	-	-	-	x	-	-	-
WSI 6...	**8**	8	12/5	-	-	-	-	x	-	-	-	-	x	-	-	-
WSI 6/2...	**12**	8	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WTD 6/1	**8**	8	12/5	-	-	-	-	x	-	-	-	-	x	-	-	-
WTL 4 ...	**6**	6	12/6	-	-	-	-	-	-	-	-	-	-	-	-	-
WTL 6/1...	**8**	8	12/8	-	-	-	-	x	-	-	-	-	x	-	-	-
WTL 6/2	**8**	8	12/8	-	-	-	-	x	-	-	-	-	x	-	-	-
WTL 6/3...	**8**	8	12/8	-	-	-	-	x	-	-	-	-	x	-	-	-
WTQ 6/1	**8**	8	12/8	-	-	-	-	x	-	-	-	-	x	-	-	-
WTR 2.5 ...	**5**	5	12/5	-	-	-	-	x	-	-	-	-	x	-	-	-
WTR 4...	**6**	6	12/6	-	-	-	-	-	-	-	-	-	-	-	-	-
ZAP/TW ZIA 1.5/...	**3.8**	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZDK 1.5...	**3.5**	3.5	12/3.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ZDK 2.5...	**5**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZDK 2.5-2...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZDK 4/S/...	**6**	6	-	12/6	-	-	-	x	-	-	-	-	x	-	-	-
ZDK 6/S/...	**8**	8	-	-	-	-	-	x	-	-	-	-	x	-	-	-
ZDKPE 2.5	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZDL 2.5/...	**5**	5	-	10/5	-	-	-	-	-	-	-	-	x	-	-	-
ZDLD 2.5-2...	**5**	5	-	10/5	-	-	-	-	-	-	-	-	x	-	-	-
ZDT 2.5 ...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZDTPE 2.5...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZDTR 2.5	**5**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZDU (ZPE) 10	**10**	5	12/5	15/5	-	x	-	-	-	-	-	-	x	x	x	-
ZDU (ZPE) 10/S...	**10**	5	10/5	15/5	-	x	-	-	-	-	-	-	x	x	x	-
ZDU (ZPE) 16...	**12**	5	12/5	15/5	-	x	-	x	-	-	-	-	x	x	x	-
ZDU (ZPE) 16/S...	**12**	5	10/5	15/5	-	x	-	-	-	-	-	-	x	x	x	-
ZDU (ZPE) 2.5 ...	**5**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	x	x	-
ZDU (ZPE) 2.5-2/...	**5**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZDU (ZPE) 35...	**16**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	x	x	-
ZDU (ZPE) 4...	**6**	6	12/6	12/6	-	-	-	x	-	-	-	-	x	x	x	-
ZDU (ZPE) 4-2...	**6**	6	12/6	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZDU (ZPE) 6...	**8**	8	12/8	15/5	-	-	-	x	-	-	-	-	x	x	x	-
ZDU (ZPE) 6-2...	**8**	8	12/8	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZDU 1.5...	**3.5**	3.5	12/3.5	-	-	-	-	-	-	-	-	-	-	x	x	-
ZDUA (ZPEA) 2.5-2	**5**	5	8/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZDUA 2.5-2N	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZDUB (ZPEB) 2.5-2/...	**5**	5	8/5	15/5	-	-	-	-	-	-	-	-	x	-	-	-
ZEI 16	**16**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZEI 6	**10**	8	12/6	12/6	-	-	-	x	-	-	-	-	x	x	x	-
ZEW 35/2	**8**	8	-	-	-	-	-	-	-	-	-	-	-	-	-	x
ZIA 1.5 ...	**5.08**	5	8/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZMAK 2.5	**5**	5	10/5	15/5	-	-	-	-	-	-	-	-	x	-	-	-
ZNT 10/S	**10**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZNT 16/S	**12**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZNT 2.5/S	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZNT 4/S	**6**	6	10/6	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZNT 6/S	**8**	8	10/6	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZP 2.5...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZPE 16-2/1 AN	**12**	8	12/6	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZPV 1.5	**5.08**	5	12/5	15/5	-	x	x	x	-	-	-	-	x	-	-	-
ZRV 1.5...	**5**	5	8/5	10/5	-	x	x	x	-	-	-	-	x	-	-	-
ZSI 2.5...	**8**	8	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZSI 2.5/2...	**12**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZSI 6-2/FC	**8**	6	12/6	12/6	-	-	-	-	-	-	-	-	-	-	-	-
ZT 2.5 ...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZTD 6	**8**	8	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ZTL 6	**8**	8	12/6.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ZTPE 2.5 ...	**5**	5	10/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
ZTR 2.5...	**5**	5	12/5	15/5	-	-	-	x	-	-	-	-	x	-	-	-
ZTR 2.5-2...	**5**	5	14/5	10/5	-	-	-	-	-	-	-	-	-	-	-	-
PDL 4...	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
PDU 2.5/4...	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-

Designation	Terminal width	DEK	WS	ZS	SchT 7	SchT 9/4	SchT 14/6	WTS 3/4	WGB 5 / WAD 5	WGB 8/ WAD 8	WAD 12	WAD 27	ZGB 15 / ZGB 30	BZT 1	BZT 2	EM 8/30
PDU 6/10...	**8**	8	10/8	-	-	-	-	-	-	-	-	-	-	-	-	-
PDU 16	**12**	-	10/12	-	-	-	-	-	-	-	-	-	-	-	-	-
PDK 2.5/4	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
PPE 2.5/4	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
PPE 6/10	**8**	8	10/8	-	-	-	-	-	-	-	-	-	-	-	-	-
PPE 16	**12**	-	10/12	-	-	-	-	-	-	-	-	-	-	-	-	-
PNT 2.5/4	**5**	5	12/5	-	-	-	-	-	-	-	-	-	-	-	-	-
PNT 6/10	**8**	8	10/8	-	-	-	-	-	-	-	-	-	-	-	-	-
PNT 16	**12**	-	10/12	-	-	-	-	-	-	-	-	-	-	-	-	-
PEI 16	**12**	-	10/12	-	-	-	-	-	-	-	-	-	-	-	-	-
AST 1-4/35	**6.2**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AST 5/35	**6.5**	6			-	-	-	-	-	-	-	-	-	-	-	-
DK 4...	**6**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DKT 4...	**6**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 10	**10**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 16	**12**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 2.5...	**6**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 35...	**16**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 4...	**6.5**	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EK 6/35	**8**	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDKS 1...	**8**	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KSKM...	**13**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KST...	**24-34**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NT...	**6-12**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RSF 1-3...	**8**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAK 10...	**10**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAK 16...	**12**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAK 2.5	**6.1**	6	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAK 2.5/35	**5**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAK 35...	**18**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAK 4...	**6,5**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAK 6...	**8**	8	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAK 95/35	**28**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKC 10/35	**12**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKC 4/35	**6.5**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKG...	**32-54**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKR...	**6.5**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKS....	**13-28**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKT...	**8**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKD 2,5N	**5**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKA 10	**12**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKB 10	**10**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
ASK 1	**8**	8	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKK 4..	**8**	6.5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKK 10..	**11.5**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKH 4-10	**6.5-14**	5	-	-	x	-	-	-	-	-	-	-	-	-	-	-
SAKH 35	**18**	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KMVF...	**6**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKZ 1.5-2.5	**5.1**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKZ 4	**6.1**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKE 2.5	**5.1**	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKE 4	**7**	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADK 1	**6**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AL 1	**6.5**	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AKA 4	**6**	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DEK card with printing

The Dekafix marker is the universal marker for terminals and plug-in connectors as well as electronic modules from the Weidmüller product range. Dekafix provides you with a wide range of standard printing options. The system is particularly suitable for short sequences of numbers and is also available with customer specific printing.

- In strips for fast installation
- Large selection of ready-to-use printed markers
- Excellent printing quality thanks to the MC Laser
- Available in 4 widths
- Custom printing also possible



Technical data

Material	Polyamide 66, halogen-free
UL 94 flammability rating	V2
Temperature range	–40 °C to 100 °C
Printing	black

Ordering data

Colour	Available in all colours of the international colour code, for MC on request		
	● brown	● red	● orange
	● yellow	● green	● blue
	● violet	● grey	○ white
Qty	500 pcs		
Pitch	DEK 5 = 5 mm · DEK 6 = 6 mm · DEK 6.5 = 6.5 mm · DEK 8 = 8 mm		
Printing variations	FZ = consecutive horizontal		e.g. DEK 5 FW 1-50
	FS = consecutive vertical		e.g. DEK 5 FS 51-100
	FWZ = consecutive horizontal line		e.g. DEK 5 FWZ 1-10
	FSZ = consecutive vertical line		e.g. DEK 5 FSZ 21-30
	GW = identical horizontal		e.g. DEK 5 GW A
	GS = identical vertical		e.g. DEK 5 GS 2
No. of characters	horizontal		vertical
DEK 5	max. 3 characters		max. 3 characters
DEK 6	max. 3 characters		max. 3 characters
DEK 6.5	max. 4 characters		max. 3 characters
DEK 8	max. 5 characters		max. 3 characters
Specify colour and characters for special printing			

Versions DEK

Type/Print	Order No.
DEK 5 BL NEUTRAL	0473391693
DEK 5 BR NEUTRAL	0473391692
DEK 5 FS 1-50	0473560001
DEK 5 FS 101-150	0473560101
DEK 5 FS 151-200	0473560151
DEK 5 FS 201-250	0473560201
DEK 5 FS 251-300	0473560251
DEK 5 FS 301-350	0473560301
DEK 5 FS 351-400	0473560351
DEK 5 FS 401-450	0473560401
DEK 5 FS 451-500	0473560451
DEK 5 FS 501-550	0473560501
DEK 5 FS 51-100	0473560051
DEK 5 FS 551-600	0473560551
DEK 5 FS 601-650	0473560601
DEK 5 FS 651-700	0473560651
DEK 5 FS 701-750	0473560701
DEK 5 FS 751-800	0473560751
DEK 5 FS 801-850	0473560801
DEK 5 FS 851-900	0473560851
DEK 5 FS 901-950	0473560901
DEK 5 FS 951-999	0473560951
DEK 5 FSZ 1-10	0460660001
DEK 5 FSZ 11-20	0460660011
DEK 5 FSZ 18,20,...32	0582360018
DEK 5 FSZ 2,4,6...16	0582360002
DEK 5 FSZ 21-30	0460660021
DEK 5 FSZ 31-40	0460660031
DEK 5 FSZ 41-50	0460660041
DEK 5 FSZ 51-60	0460660051
DEK 5 FSZ 61-70	0460660061
DEK 5 FSZ 71-80	0460660071
DEK 5 FSZ 81-90	0460660081
DEK 5 FSZ 91-100	0460660091
DEK 5 FW 1,3,5,...99	1358460000
DEK 5 FW 1-50	0473460001
DEK 5 FW 10-500	0132660010
DEK 5 FW 101-150	0473460101
DEK 5 FW 151-200	0473460151
DEK 5 FW 2,4,...100	1358560000
DEK 5 FW 201-250	0473460201
DEK 5 FW 251-300	0473460251
DEK 5 FW 301-350	0473460301
DEK 5 FW 351-400	0473460351
DEK 5 FW 401-450	0473460401
DEK 5 FW 451-500	0473460451
DEK 5 FW 501-550	0473460501
DEK 5 FW 51-100	0473460051
DEK 5 FW 551-600	0473460551
DEK 5 FW 601-650	0473460601
DEK 5 FW 651-700	0473460651
DEK 5 FW 701-750	0473460701
DEK 5 FW 751-800	0473460751
DEK 5 FW 801-850	0473460801
DEK 5 FW 851-900	0473460851
DEK 5 FW 901-950	0473460901
DEK 5 FW 951-999	0473460951
DEK 5 FW U1-PE1	0133161114
DEK 5 FW U2-PE2	0133161115
DEK 5 FW U3-PE3	0133161116
DEK 5 FW U4-PE4	0133161117
DEK 5 FW U5-PE5	0133161118
DEK 5 FW U6-PE6	0133161119
DEK 5 FW U7-PE7	0133161120
DEK 5 FW U8-PE8	0133161121
DEK 5 FW U9-PE9	0133161122
DEK 5 FW X1-Z1	0133261150
DEK 5 FW X10-Z10	0133261159
DEK 5 FW X2-Z2	0133261151
DEK 5 FW X3-Z3	0133261152
DEK 5 FW X4-Z4	0133261153
DEK 5 FW X5-Z5	0133261154
DEK 5 FW X6-Z6	0133261155
DEK 5 FW X7-Z7	0133261156
DEK 5 FW X8-Z8	0133261157
DEK 5 FW X9-Z9	0133261158
DEK 5 FWZ 1-10	0523060001
DEK 5 FWZ 1-19	0235860000
DEK 5 FWZ 1-9	1572000000
DEK 5 FWZ 11-20	0523060011
DEK 5 FWZ 2-20	0236160000
DEK 5 FWZ 21-30	0523060021
DEK 5 FWZ 21-39	0235960000
DEK 5 FWZ 22-40	0236260000
DEK 5 FWZ 31-40	0523060031
DEK 5 FWZ 41-50	0523060041

Type/Print	Order No.
DEK 5 FWZ 41-59	0236060000
DEK 5 FWZ 42-60	0236360000
DEK 5 FWZ 51-60	0523060051
DEK 5 FWZ 61-70	0523060061
DEK 5 FWZ 71-80	0523060071
DEK 5 FWZ 81-90	0523060081
DEK 5 FWZ 91-100	0523060091
DEK 5 FWZ L1-EIK	0354361203
DEK 5 FWZ L1-PE	0354361187
DEK 5 FWZ U,V,W,N,PE	0558360000
DEK 5 GE NEUTRAL	0473391687
DEK 5 GN NEUTRAL	0473391688
DEK 5 GR NEUTRAL	0473391691
DEK 5 GS A	0132961021
DEK 5 GS B	0132961022
DEK 5 GS C	0132961023
DEK 5 GS D	0132961024
DEK 5 GS E	0132961025
DEK 5 GS F	0132961026
DEK 5 GS G	0132961027
DEK 5 GS H	0132961028
DEK 5 GS I	0132961029
DEK 5 GS J	0132961030
DEK 5 GS K	0132961031
DEK 5 GS L	0132961032
DEK 5 GS M	0132961033
DEK 5 GS N	0132961034
DEK 5 GS O	0132961035
DEK 5 GS P	0132961036
DEK 5 GS PE	0157261187
DEK 5 GS Q	0132961037
DEK 5 GS R	0132961038
DEK 5 GS S	0132961039
DEK 5 GS T	0132961040
DEK 5 GS U	0132961041
DEK 5 GS V	0132961042
DEK 5 GS W	0132961043
DEK 5 GS X	0132961044
DEK 5 GS Y	0132961045
DEK 5 GS Z	0132961046
DEK 5 GS ⏚	0157261202
DEK 5 GS ⏚	0157261203
DEK 5 GW	0576260000
DEK 5 GW 1	0522660001
DEK 5 GW 2	0522660002
DEK 5 GW 3	0522660003
DEK 5 GW 4	0522660004
DEK 5 GW 5	0522660005
DEK 5 GW 6	0522660006
DEK 5 GW 7	0522660007
DEK 5 GW 8	0522660008
DEK 5 GW 9	0522660009
DEK 5 GW 10	0522660010
DEK 5 GW 11	0522660011
DEK 5 GW 12	0522660012
DEK 5 GW 13	0522660013
DEK 5 GW 14	0522660014
DEK 5 GW 15	0522660015
DEK 5 GW 16	0522660016
DEK 5 GW 17	0522660017
DEK 5 GW 18	0522660018
DEK 5 GW 19	0522660019
DEK 5 GW 20	0522660020
DEK 5 GW 21	0522660021
DEK 5 GW 22	0522660022
DEK 5 GW 23	0522660023
DEK 5 GW 24	0522660024
DEK 5 GW 25	0522660025
DEK 5 GW 26	0522660026
DEK 5 GW 27	0522660027
DEK 5 GW 28	0522660028
DEK 5 GW 29	0522660029
DEK 5 GW 30	0522660030
DEK 5 GW 31	0522660031
DEK 5 GW 32	0522660032
DEK 5 GW 33	0522660033
DEK 5 GW 34	0522660034
DEK 5 GW 35	0522660035
DEK 5 GW 36	0522660036
DEK 5 GW 37	0522660037
DEK 5 GW 38	0522660038
DEK 5 GW 39	0522660039
DEK 5 GW 40	0522660040
DEK 5 GW 41	0522660041
DEK 5 GW 42	0522660042
DEK 5 GW 43	0522660043

Type/Print	Order No.
DEK 5 GW 44	0522660044
DEK 5 GW 45	0522660045
DEK 5 GW 46	0522660046
DEK 5 GW 47	0522660047
DEK 5 GW 48	0522660048
DEK 5 GW 49	0522660049
DEK 5 GW 50	0522660050
DEK 5 GW 51	0522660051
DEK 5 GW 52	0522660052
DEK 5 GW 53	0522660053
DEK 5 GW 54	0522660054
DEK 5 GW 55	0522660055
DEK 5 GW 56	0522660056
DEK 5 GW 57	0522660057
DEK 5 GW 58	0522660058
DEK 5 GW 59	0522660059
DEK 5 GW 60	0522660060
DEK 5 GW 61	0522660061
DEK 5 GW 62	0522660062
DEK 5 GW 63	0522660063
DEK 5 GW 64	0522660064
DEK 5 GW 65	0522660065
DEK 5 GW 66	0522660066
DEK 5 GW 67	0522660067
DEK 5 GW 68	0522660068
DEK 5 GW 69	0522660069
DEK 5 GW 70	0522660070
DEK 5 GW 71	0522660071
DEK 5 GW 72	0522660072
DEK 5 GW 73	0522660073
DEK 5 GW 74	0522660074
DEK 5 GW 75	0522660075
DEK 5 GW 76	0522660076
DEK 5 GW 77	0522660077
DEK 5 GW 78	0522660078
DEK 5 GW 79	0522660079
DEK 5 GW 80	0522660080
DEK 5 GW 81	0522660081
DEK 5 GW 82	0522660082
DEK 5 GW 83	0522660083
DEK 5 GW 84	0522660084
DEK 5 GW 85	0522660085
DEK 5 GW 86	0522660086
DEK 5 GW 87	0522660087
DEK 5 GW 88	0522660088
DEK 5 GW 89	0522660089
DEK 5 GW 90	0522660090
DEK 5 GW 91	0522660091
DEK 5 GW 92	0522660092
DEK 5 GW 93	0522660093
DEK 5 GW 94	0522660094
DEK 5 GW 95	0522660095
DEK 5 GW 96	0522660096
DEK 5 GW 97	0522660097
DEK 5 GW 98	0522660098
DEK 5 GW 99	0522660099
DEK 5 GW 100	0522660100
DEK 5 GW 101	0522660101
DEK 5 GW 102	0522660102
DEK 5 GW 103	0522660103
DEK 5 GW 104	0522660104
DEK 5 GW 105	0522660105
DEK 5 GW 106	0522660106
DEK 5 GW 107	0522660107
DEK 5 GW 108	0522660108
DEK 5 GW 109	0522660109
DEK 5 GW 110	0522660110
DEK 5 GW 111	0522660111
DEK 5 GW 112	0522660112
DEK 5 GW 113	0522660113
DEK 5 GW 114	0522660114
DEK 5 GW 115	0522660115
DEK 5 GW 116	0522660116
DEK 5 GW 117	0522660117
DEK 5 GW 118	0522660118
DEK 5 GW 119	0522660119
DEK 5 GW 120	0522660120
DEK 5 GW 121	0522660121
DEK 5 GW 122	0522660122
DEK 5 GW 123	0522660123
DEK 5 GW 124	0522660124
DEK 5 GW 125	0522660125
DEK 5 GW 126	0522660126
DEK 5 GW 127	0522660127
DEK 5 GW 128	0522660128
DEK 5 GW 129	0522660129

Type/Print	Order No.
DEK 5 GW 130	0522660130
DEK 5 GW 131	0522660131
DEK 5 GW 132	0522660132
DEK 5 GW 133	0522660133
DEK 5 GW 134	0522660134
DEK 5 GW 135	0522660135
DEK 5 GW 136	0522660136
DEK 5 GW 137	0522660137
DEK 5 GW 138	0522660138
DEK 5 GW 139	0522660139
DEK 5 GW 140	0522660140
DEK 5 GW 141	0522660141
DEK 5 GW 142	0522660142
DEK 5 GW 143	0522660143
DEK 5 GW 144	0522660144
DEK 5 GW 145	0522660145
DEK 5 GW 146	0522660146
DEK 5 GW 147	0522660147
DEK 5 GW 148	0522660148
DEK 5 GW 149	0522660149
DEK 5 GW 150	0522660150
DEK 5 GW 151	0522660151
DEK 5 GW 152	0522660152
DEK 5 GW 153	0522660153
DEK 5 GW 154	0522660154
DEK 5 GW 155	0522660155
DEK 5 GW 156	0522660156
DEK 5 GW 157	0522660157
DEK 5 GW 158	0522660158
DEK 5 GW 159	0522660159
DEK 5 GW 160	0522660160
DEK 5 GW 161	0522660161
DEK 5 GW 162	0522660162
DEK 5 GW 163	0522660163
DEK 5 GW 164	0522660164
DEK 5 GW 165	0522660165
DEK 5 GW 166	0522660166
DEK 5 GW 167	0522660167
DEK 5 GW 168	0522660168
DEK 5 GW 169	0522660169
DEK 5 GW 170	0522660170
DEK 5 GW 171	0522660171
DEK 5 GW 172	0522660172
DEK 5 GW 173	0522660173
DEK 5 GW 174	0522660174
DEK 5 GW 175	0522660175
DEK 5 GW 176	0522660176
DEK 5 GW 177	0522660177
DEK 5 GW 178	0522660178
DEK 5 GW 179	0522660179
DEK 5 GW 180	0522660180
DEK 5 GW 181	0522660181
DEK 5 GW 182	0522660182
DEK 5 GW 183	0522660183
DEK 5 GW 184	0522660184
DEK 5 GW 185	0522660185
DEK 5 GW 186	0522660186
DEK 5 GW 187	0522660187
DEK 5 GW 188	0522660188
DEK 5 GW 189	0522660189
DEK 5 GW 190	0522660190
DEK 5 GW 191	0522660191
DEK 5 GW 192	0522660192
DEK 5 GW 193	0522660193
DEK 5 GW 194	0522660194
DEK 5 GW 195	0522660195
DEK 5 GW 196	0522660196
DEK 5 GW 197	0522660197
DEK 5 GW 198	0522660198
DEK 5 GW 199	0522660199
DEK 5 GW 200	0522660200
DEK 5 GW A	0522761021
DEK 5 GW A KLEIN	0522861047
DEK 5 GW B	0522761022
DEK 5 GW B KLEIN	0522861048
DEK 5 GW BL/SW -	0576291741
DEK 5 GW C	0522761023
DEK 5 GW C KLEIN	0522861049
DEK 5 GW D	0522761024
DEK 5 GW D KLEIN	0522861050
DEK 5 GW E	0522761025
DEK 5 GW E KLEIN	0522861051
DEK 5 GW F	0522761026
DEK 5 GW F KLEIN	0522861052
DEK 5 GW G	0522761027
DEK 5 GW G KLEIN	0522861053

Versions DEK

Type/Print	Order No.
DEK 5 GW H	0522761028
DEK 5 GW H KLEIN	0522861054
DEK 5 GW I	0522761029
DEK 5 GW I KLEIN	0522861055
DEK 5 GW J	0522761030
DEK 5 GW J KLEIN	0522861056
DEK 5 GW K	0522761031
DEK 5 GW K KLEIN	0522861057
DEK 5 GW L	0522761032
DEK 5 GW L KLEIN	0522861058
DEK 5 GW L1	0522361075
DEK 5 GW L2	0522361076
DEK 5 GW L3	0522361077
DEK 5 GW M	0522761033
DEK 5 GW M KLEIN	0522861059
DEK 5 GW MP	0537261235
DEK 5 GW N	0522761034
DEK 5 GW N KLEIN	0522861060
DEK 5 GW O	0522761035
DEK 5 GW O KLEIN	0522861061
DEK 5 GW P	0522761036
DEK 5 GW P KLEIN	0522861062
DEK 5 GW PE	0537261187
DEK 5 GW PEN	0537261188
DEK 5 GW Q	0522761037
DEK 5 GW Q KLEIN	0522861063
DEK 5 GW R	0522761038
DEK 5 GW R KLEIN	0522861064
DEK 5 GW RT/SW +	0576291737
DEK 5 GW S	0522761039
DEK 5 GW S KLEIN	0522861065
DEK 5 GW T	0522761040
DEK 5 GW T KLEIN	0522861066
DEK 5 GW U	0522761041
DEK 5 GW U KLEIN	0522861067
DEK 5 GW V	0522761042
DEK 5 GW V KLEIN	0522861068
DEK 5 GW W	0522761043
DEK 5 GW W KLEIN	0522861069
DEK 5 GW W-STROM	0576261215
DEK 5 GW X	0522761044
DEK 5 GW X KLEIN	0522861070
DEK 5 GW Y	0522761045
DEK 5 GW Y KLEIN	0522861071
DEK 5 GW Z	0522761046
DEK 5 GW Z KLEIN	0522861072
DEK 5 GW +	0576261198
DEK 5 GW -	0576261199
DEK 5 GW ⏚	0576261202
DEK 5 GW Ⓔ	0576261203
DEK 5 NEUTRAL	0473360000
DEK 5 OR NEUTRAL	0473391690
DEK 5 RT NEUTRAL	0473391686
DEK 5 SW NEUTRAL	0473391694
DEK 5 VI NEUTRAL	0473391689
DEK 5/3,5 MC FS 1-10	1762320001
DEK 5/3,5 MC FS 101-110	1762320101
DEK 5/3,5 MC FS 11-20	1762320011
DEK 5/3,5 MC FS 111-120	1762320111
DEK 5/3,5 MC FS 121-130	1762320121
DEK 5/3,5 MC FS 131-140	1762320131
DEK 5/3,5 MC FS 141-150	1762320141
DEK 5/3,5 MC FS 21-30	1762320021
DEK 5/3,5 MC FS 31-40	1762320031
DEK 5/3,5 MC FS 41-50	1762320041
DEK 5/3,5 MC FS 51-60	1762320051
DEK 5/3,5 MC FS 61-70	1762320061
DEK 5/3,5 MC FS 71-80	1762320071
DEK 5/3,5 MC FS 81-90	1762320081
DEK 5/3,5 MC FS 91-100	1762320091
DEK 5/3,5 MC GW 0	1755281000
DEK 5/3,5 MC GW 1	1755280001
DEK 5/3,5 MC GW 2	1755280002
DEK 5/3,5 MC GW 3	1755280003
DEK 5/3,5 MC GW 4	1755280004
DEK 5/3,5 MC GW 5	1755280005
DEK 5/3,5 MC GW 6	1755280006
DEK 5/3,5 MC GW 7	1755280007
DEK 5/3,5 MC GW 8	1755280008
DEK 5/3,5 MC GW 9	1755280009
DEK 6 BL NEUTRAL	0468591693
DEK 6 BR NEUTRAL	0468591692
DEK 6 FS 1-50	0468760001
DEK 6 FS 101-150	0468760101

Type/Print	Order No.
DEK 6 FS 151-200	0468760151
DEK 6 FS 201-250	0468760201
DEK 6 FS 251-300	0468760251
DEK 6 FS 301-350	0468760301
DEK 6 FS 351-400	0468760351
DEK 6 FS 401-450	0468760401
DEK 6 FS 451-500	0468760451
DEK 6 FS 501-550	0468760501
DEK 6 FS 51-100	0468760051
DEK 6 FS 551-600	0468760551
DEK 6 FS 601-650	0468760601
DEK 6 FS 651-700	0468760651
DEK 6 FS 701-750	0468760701
DEK 6 FS 751-800	0468760751
DEK 6 FS 801-850	0468760801
DEK 6 FS 851-900	0468760851
DEK 6 FS 901-950	0468760901
DEK 6 FS 951-999	0468760951
DEK 6 FSZ 1-10	0133360001
DEK 6 FSZ 11-20	0133360011
DEK 6 FSZ 21-30	0133360021
DEK 6 FSZ 31-40	0133360031
DEK 6 FSZ 41-50	0133360041
DEK 6 FSZ 51-60	0133360051
DEK 6 FSZ 61-70	0133360061
DEK 6 FSZ 71-80	0133360071
DEK 6 FSZ 81-90	0133360081
DEK 6 FSZ 91-100	0133360091
DEK 6 FW 1,3,5...99	1358660000
DEK 6 FW 1-5 (10X)	0688660000
DEK 6 FW 1-50	0468660001
DEK 6 FW 101-150	0468660101
DEK 6 FW 151-200	0468660151
DEK 6 FW 2,4,...100	1358760000
DEK 6 FW 201-250	0468660201
DEK 6 FW 251-300	0468660251
DEK 6 FW 301-350	0468660301
DEK 6 FW 351-400	0468660351
DEK 6 FW 401-450	0468660401
DEK 6 FW 451-500	0468660451
DEK 6 FW 501-550	0468660501
DEK 6 FW 51-100	0468660051
DEK 6 FW 551-600	0468660551
DEK 6 FW 601-650	0468660601
DEK 6 FW 651-700	0468660651
DEK 6 FW 701-750	0468660701
DEK 6 FW 751-800	0468660751
DEK 6 FW 801-850	0468660801
DEK 6 FW 851-900	0468660851
DEK 6 FW 901-950	0468660901
DEK 6 FW 951-999	0468660951
DEK 6 FW L,N,PE	0632560000
DEK 6 FWZ 1-10	0518960001
DEK 6 FWZ 101-110	0518960101
DEK 6 FWZ 11-20	0518960011
DEK 6 FWZ 111-120	0518960111
DEK 6 FWZ 121-130	0518960121
DEK 6 FWZ 131-140	0518960131
DEK 6 FWZ 141-150	0518960141
DEK 6 FWZ 151-160	0518960151
DEK 6 FWZ 161-170	0518960161
DEK 6 FWZ 171-180	0518960171
DEK 6 FWZ 181-190	0518960181
DEK 6 FWZ 191-200	0518960191
DEK 6 FWZ 201-210	0518960201
DEK 6 FWZ 21-30	0518960021
DEK 6 FWZ 31-40	0518960031
DEK 6 FWZ 41-50	0518960041
DEK 6 FWZ 51-60	0518960051
DEK 6 FWZ 61-70	0518960061
DEK 6 FWZ 71-80	0518960071
DEK 6 FWZ 81-90	0518960081
DEK 6 FWZ 91-100	0518960091
DEK 6 FWZ L1-Ⓔ	0631961203
DEK 6 FWZ L1-PE	0631961187
DEK 6 FWZ R,S,T,N,⏚	0631860000
DEK 6 GE NEUTRAL	0468591687
DEK 6 GN NEUTRAL	0468591688
DEK 6 GR NEUTRAL	0468591691
DEK 6 GW 1	0526960001
DEK 6 GW 2	0526960002
DEK 6 GW 3	0526960003
DEK 6 GW 4	0526960004
DEK 6 GW 5	0526960005
DEK 6 GW 6	0526960006
DEK 6 GW 7	0526960007

Type/Print	Order No.
DEK 6 GW 8	0526960008
DEK 6 GW 9	0526960009
DEK 6 GW 10	0526960010
DEK 6 GW 11	0526960011
DEK 6 GW 12	0526960012
DEK 6 GW 13	0526960013
DEK 6 GW 14	0526960014
DEK 6 GW 15	0526960015
DEK 6 GW 16	0526960016
DEK 6 GW 17	0526960017
DEK 6 GW 18	0526960018
DEK 6 GW 19	0526960019
DEK 6 GW 20	0526960020
DEK 6 GW 21	0526960021
DEK 6 GW 22	0526960022
DEK 6 GW 23	0526960023
DEK 6 GW 24	0526960024
DEK 6 GW 25	0526960025
DEK 6 GW 26	0526960026
DEK 6 GW 27	0526960027
DEK 6 GW 28	0526960028
DEK 6 GW 29	0526960029
DEK 6 GW 30	0526960030
DEK 6 GW 31	0526960031
DEK 6 GW 32	0526960032
DEK 6 GW 33	0526960033
DEK 6 GW 34	0526960034
DEK 6 GW 35	0526960035
DEK 6 GW 36	0526960036
DEK 6 GW 37	0526960037
DEK 6 GW 38	0526960038
DEK 6 GW 39	0526960039
DEK 6 GW 40	0526960040
DEK 6 GW 41	0526960041
DEK 6 GW 42	0526960042
DEK 6 GW 43	0526960043
DEK 6 GW 44	0526960044
DEK 6 GW 45	0526960045
DEK 6 GW 46	0526960046
DEK 6 GW 47	0526960047
DEK 6 GW 48	0526960048
DEK 6 GW 49	0526960049
DEK 6 GW 50	0526960050
DEK 6 GW 51	0526960051
DEK 6 GW 52	0526960052
DEK 6 GW 53	0526960053
DEK 6 GW 54	0526960054
DEK 6 GW 55	0526960055
DEK 6 GW 56	0526960056
DEK 6 GW 57	0526960057
DEK 6 GW 58	0526960058
DEK 6 GW 59	0526960059
DEK 6 GW 60	0526960060
DEK 6 GW 61	0526960061
DEK 6 GW 62	0526960062
DEK 6 GW 63	0526960063
DEK 6 GW 64	0526960064
DEK 6 GW 65	0526960065
DEK 6 GW 66	0526960066
DEK 6 GW 67	0526960067
DEK 6 GW 68	0526960068
DEK 6 GW 69	0526960069
DEK 6 GW 70	0526960070
DEK 6 GW 71	0526960071
DEK 6 GW 72	0526960072
DEK 6 GW 73	0526960073
DEK 6 GW 74	0526960074
DEK 6 GW 75	0526960075
DEK 6 GW 76	0526960076
DEK 6 GW 77	0526960077
DEK 6 GW 78	0526960078
DEK 6 GW 79	0526960079
DEK 6 GW 80	0526960080
DEK 6 GW 81	0526960081
DEK 6 GW 82	0526960082
DEK 6 GW 83	0526960083
DEK 6 GW 84	0526960084
DEK 6 GW 85	0526960085
DEK 6 GW 86	0526960086
DEK 6 GW 87	0526960087
DEK 6 GW 88	0526960088
DEK 6 GW 89	0526960089
DEK 6 GW 90	0526960090
DEK 6 GW 91	0526960091
DEK 6 GW 92	0526960092
DEK 6 GW 93	0526960093

Type/Print	Order No.
DEK 6 GW 94	0526960094
DEK 6 GW 95	0526960095
DEK 6 GW 96	0526960096
DEK 6 GW 97	0526960097
DEK 6 GW 98	0526960098
DEK 6 GW 99	0526960099
DEK 6 GW 100	0526960100
DEK 6 GW 200	0526960200
DEK 6 GW BL/SW -	1318091741
DEK 6 GW PE	1318061187
DEK 6 GW RT/SW +	1318091737
DEK 6 GW +	1318061198
DEK 6 GW -	1318061199
DEK 6 GW ⏚	1318061202
DEK 6 GW Ⓔ	1318061203
DEK 6 NEUTRAL	0468560000
DEK 6 OR NEUTRAL	0468591690
DEK 6 RT NEUTRAL	0468591686
DEK 6 SW NEUTRAL	0468591694
DEK 6 VI NEUTRAL	0468591689
DEK 6,5 BL NEUTRAL	0468091693
DEK 6,5 FS 1-50	0468260001
DEK 6,5 FS 101-150	0468260101
DEK 6,5 FS 151-200	0468260151
DEK 6,5 FS 201-250	0468260201
DEK 6,5 FS 251-300	0468260251
DEK 6,5 FS 301-350	0468260301
DEK 6,5 FS 351-400	0468260351
DEK 6,5 FS 401-450	0468260401
DEK 6,5 FS 451-500	0468260451
DEK 6,5 FS 501-550	0468260501
DEK 6,5 FS 51-100	0468260051
DEK 6,5 FS 551-600	0468260551
DEK 6,5 FS 601-650	0468260601
DEK 6,5 FS 651-700	0468260651
DEK 6,5 FS 701-750	0468260701
DEK 6,5 FS 751-800	0468260751
DEK 6,5 FS 801-850	0468260801
DEK 6,5 FS 851-900	0468260851
DEK 6,5 FS 901-950	0468260901
DEK 6,5 FS 951-999	0468260951
DEK 6,5 FSZ 1-10	0407360001
DEK 6,5 FSZ 11-20	0407360011
DEK 6,5 FSZ 21-30	0407360021
DEK 6,5 FSZ 31-40	0407360031
DEK 6,5 FSZ 41-50	0407360041
DEK 6,5 FSZ 51-60	0407360051
DEK 6,5 FSZ 61-70	0407360061
DEK 6,5 FSZ 71-80	0407360071
DEK 6,5 FSZ 81-90	0407360081
DEK 6,5 FSZ 91-100	0407360091
DEK 6,5 FW 1-50	0468160001
DEK 6,5 FW 101-150	0468160101
DEK 6,5 FW 151-200	0468160151
DEK 6,5 FW 201-250	0468160201
DEK 6,5 FW 251-300	0468160251
DEK 6,5 FW 301-350	0468160301
DEK 6,5 FW 351-400	0468160351
DEK 6,5 FW 401-450	0468160401
DEK 6,5 FW 451-500	0468160451
DEK 6,5 FW 501-550	0468160501
DEK 6,5 FW 51-100	0468160051
DEK 6,5 FW 551-600	0468160551
DEK 6,5 FW 601-650	0468160601
DEK 6,5 FW 651-700	0468160651
DEK 6,5 FW 701-750	0468160701
DEK 6,5 FW 751-800	0468160751
DEK 6,5 FW 801-850	0468160801
DEK 6,5 FW 851-900	0468160851
DEK 6,5 FW 901-950	0468160901
DEK 6,5 FW 951-999	0468160951
DEK 6,5 FW L1- h	0632161203
DEK 6,5 FW L1-PE	0632161187
DEK 6,5 FWZ 1-10	0519060001
DEK 6,5 FWZ 11-20	0519060011
DEK 6,5 FWZ 21-30	0519060021
DEK 6,5 FWZ 31-40	0519060031
DEK 6,5 FWZ 41-50	0519060041
DEK 6,5 FWZ 51-60	0519060051
DEK 6,5 FWZ 61-70	0519060061
DEK 6,5 FWZ 71-80	0519060071
DEK 6,5 FWZ 81-90	0519060081
DEK 6,5 FWZ 91-100	0519060091
DEK 6,5 FWZ R,S,T,N,ERD	0632060000
DEK 6,5 GE NEUTRAL	0468091687

Versions DEK

Type/Print	Order No.
DEK 6,5 GN NEUTRAL	0468091688
DEK 6,5 NEUTRAL	0468060000
DEK 6,5 OR NEUTRAL	0468091690
DEK 6,5 RT NEUTRAL	0468091686
DEK 6,5 SW NEUTRAL	0468091694
DEK 6,5 VI NEUTRAL	0468091689
DEK 8 BEDR./FARBIG	1289690000
DEK 8 FS 1-50 TAMPOPR.	1653350001
DEK 8 FS 1-50 TAMPOPR.	1653350001
DEK 8 FS 51-100 TAMPOP.	1653350051
DEK 8 FS 51-100 TAMPOP.	1653350051
DEK 8 FSZ 1-10	1289660001
DEK 8 FSZ 11-20	1289660011
DEK 8 FSZ 21-30	1289660021
DEK 8 FSZ 31-40	1289660031
DEK 8 FSZ 41-50	1289660041
DEK 8 FSZ 51-60	1289660051
DEK 8 FSZ 61-70	1289660061
DEK 8 FSZ 71-80	1289660071
DEK 8 FSZ 81-90	1289660081
DEK 8 FSZ 91-100	1289660091
DEK 8 FW 1-50 TAMPOPR.	1653340001
DEK 8 FW 1-50 TAMPOPR.	1653340001
DEK 8 FW 51-100 TAMPOP.	1653340051
DEK 8 FW 51-100 TAMPOP.	1653340051
DEK 8 FWZ 1-10	1276960001
DEK 8 FWZ 101-110	1276960101
DEK 8 FWZ 11-20	1276960011
DEK 8 FWZ 111-120	1276960111
DEK 8 FWZ 121-130	1276960121
DEK 8 FWZ 131-140	1276960131
DEK 8 FWZ 141-150	1276960141
DEK 8 FWZ 21-30	1276960021
DEK 8 FWZ 31-40	1276960031
DEK 8 FWZ 41-50	1276960041
DEK 8 FWZ 51-60	1276960051
DEK 8 FWZ 61-70	1276960061
DEK 8 FWZ 71-80	1276960071
DEK 8 FWZ 81-90	1276960081
DEK 8 FWZ 91-100	1276960091
DEK 8 GE NEUTRAL	1277091687
DEK 8 GN NEUTRAL	1277091688
DEK 8 NEUTRAL	1277060000
DEK 8 OR NEUTRAL	1277091690
DEK 8 RT NEUTRAL	1277091686
DEK 8 SONDERDR. FARBIG	1326690000
DEK 8 SONDERDR. WEIß	1326660000
DEK 8 VI NEUTRAL	1277091689
WS 8/5 Karte	1773360000
WS 10/5 Karte	1773370000
WS 12/5 Karte	1773380000
WS 12/5 FSZ 1 - 10	1773430001
WS 12/5 FSZ 11 - 20	1773430011
WS 12/5 FSZ 21 - 30	1773430021
WS 12/5 FSZ 31 - 40	1773430031
WS 12/5 FSZ 41 - 50	1773430041
WS 12/5 FWZ 1 - 10	1773330001
WS 12/5 FWZ 11 - 20	1773330011
WS 12/5 FWZ 21 - 30	1773330021
WS 12/5 FWZ 31 - 40	1773330031
WS 12/5 FWZ 41 - 50	1773330041

DEK MultiCard

The Dekafix marker in MultiCard format is the universal marker for all kinds of connectors and also electronic modules from the Weidmüller product range. The blank DEK marker is ideal for flexible, fast printing in situ with our innovative labelling systems SMark-Laser, PrintJet, MCP Plus Plotter or MC-Mobilo. The system is particularly suitable for short sequences of numbers and is also available with special printing.

- In strips for fast installation
- Flexible, fast printing on site during installation
- Excellent printing quality thanks to the Weidmüller MultiCard printers
- Available in 6 widths
- Custom printing with the MC Laser also possible

Technical data

Material	Polyamide 66, halogen-free
UL 94 flammability rating	V2
Temperature range	–40 °C to 100 °C
Printing	black

Ordering data

Colour	Available in all colours of the international colour code, for MC on request ● brown ● red ● orange ● yellow ● green ● blue ● violet ○ grey ○ white
Special printing	Specify special printing and colours per diskette, Excel file or using the M-Print® PRO software
Minimum order quantity	1 pack
Notes on mounting	Mount in strips when the marker pitch (width) corresponds to the pitch of the terminals. For example, DEK 5 mm pitch for terminals with 5 mm pitch such as the WDU 2.5.
	Mount individual markers when the terminal pitch is larger than the marker pitch (width). For example, DEK 6.5 mount individually on WDU 6 terminals

Dekafix - the universal marker for SAK series, W-series, Z-series, P-series and I-series plus WEICOS connectors and electronics devices.

Clamping width: 3.5 mm

Ordering data

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/3,5 MC	white	5 mm	500	1755270000

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/3,5 MC	white	5 mm	100	1767730000

Clamping width: 5.0 mm

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/5 Plus MC	white	5 mm	1000	1854490000
DEK 5/5 Plus MC GE	yellow	5 mm	1000	1907520000
DEK 5/5 MC GE	yellow	5 mm	1000	1609801687
DEK 5/5 MC BL	blue	5 mm	1000	1609801693
DEK 5/5 MC GR	grey	5 mm	1000	1609801691
DEK 5/5 MC GN	green	5 mm	1000	1609801688
DEK 5/5 MC	white	5 mm	1000	1609801044
DEK 5/5 MC RT	red	5 mm	1000	1609801686

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/5 MC	white	5 mm	200	1609810000
DEK 5/5 Plus MC	white	5 mm	200	1854500000

Clamping width: 6.0 mm

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/6 MC	white	5 mm	1000	1609820000

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/6 MC	white	5 mm	200	1609830000

Clamping width: 6.5 mm

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/6,5 MC	white	5 mm	900	1609840000

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/6,5 MC	white	5 mm	180	1609850000

Clamping width: 7.5 mm

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/7,5 MC	white	5 mm	320	1720620000

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/7,5 MC	white	5 mm	320	1770490000

Clamping width: 8.0 mm

DEK - blank

Type	Colour of material	Length	Qty.	Order No.
DEK 5/8 MC	white	5 mm	800	1856740000

DEK - Custom printing

Type	Colour of material	Length	Qty.	Order No.
DEK 5/8 MC	white	5 mm	160	1856750000

WS

WS markers are designed specifically for W series terminals. But thanks to their system compatibility, WS markers can also be used with the I series, Z series and P series. The generous size of these markers permit long characters strings and multiple-line printing.

WS markers are ideal for labelling where long, individual character strings are required. And the proven MultiCard format makes labelling possible with the SMark-Laser, PrintJet, MCP Plus Plotter or MC-Mobilo as well.

- Mount in strips or individually
- Markers in the proven MultiCard format
- Excellent printing quality thanks to the Weidmüller MultiCard printers

Technical data

Material	Polyamide 66, halogen-free
UL 94 flammability rating	V2
Temperature range	–40 °C to 100 °C
Printing	black

Ordering data

Colour	Available in all colours of the international colour code, for MC on request ● brown ● red ● orange ● yellow ● green ● blue ● violet ● grey ○ white
Special printing	Specify special printing and colours per diskette, Excel file or using the M-Print® PRO software
Minimum order quantity	1 pack
Notes on mounting	Mount in strips when the marker pitch (width) corresponds to the pitch of the terminals. For example, WS 10/6 = 6 mm pitch for terminals with 6 mm pitch such as the WDU 4.
	Mount individual markers when the terminal pitch is larger than the marker pitch (width). For example, WS 12/6 5 mount individually on WDU 6 terminals. Weidmüller markers with 5 mm pitch (width) are suitable for all widths of terminals.

ZS

ZS

ZS markers – in the proven MultiCard format – were specially developed for Z series terminals. They provide users with a large labelling area. Their unique hinged form means that cross-connectors, for example, are still readily accessible without having to remove the marker. Markers can be clipped on in strips to guarantee fast installation, but individual markers are easily separated.

- Hinged labelling area
- Mount in strips or individually
- Markers in the proven MultiCard format
- Flexible, fast printing on site during installation

Technical data

Material	Polyamide 66, halogen-free
UL 94 flammability rating	V2
Temperature range	–40 °C to 100 °C
Printing	black

Ordering data

Colour	white
Notes on mounting	height x width (pitch), e.g. ZS 10/5 10 mm high, 5 mm wide = 5 mm pitch
Special printing	Specify special printing and colours per diskette, Excel file or using the M-Print® PRO software
Suitable printing systems	SMark-Laser, PrintJet, MCP Plus Plotter, MC-Mobile
Minimum order quantity	1 pack

Terminal markers – WS / ZS

WS markers are perfect for the connectors of the W-series, I-series, P-series and Z-series. The WS 10/5 and 10/6 Middle, are fitted with a centre foot and can be used for the I-series. The ZS markers are specially designed for the Z-series.

Clamping width: 3.5 mm

WS - blank

Ordering data

Type	Colour of material	Length	Qty.	Order No.
WS 12/3,5 MC	white	12 mm	600	1778270000

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 12/3,5 MC	white	12 mm	120	1778280000

Clamping width: 5.0 mm

WS - blank

Type	Colour of material	Length	Qty.	Order No.
WS 8/5 MC	white	8 mm	720	1640740000
WS 8/5 MC GE	yellow	8 mm	720	1773521687
WS 8/5 MC RT	red	8 mm	720	1773521686
WS 8/5 MC BL	blue	8 mm	720	1773521693
WS 8/5 MC OR	orange	8 mm	720	1773521690
WS 10/5 MC middle	white	10 mm	720	1792000000
WS 10/5 MC	white	10 mm	720	1635000000
WS 10/5 MC GE	yellow	10 mm	720	1773531687
WS 10/5 MC RT	red	10 mm	720	1773531686
WS 10/5 MC BL	blue	10 mm	720	1773531693
WS 12/5 MC GE	yellow	12 mm	720	1773541687
WS 12/5 MC RT	red	12 mm	720	1773541686
WS 12/5 MC BL	blue	12 mm	720	1773541693
WS 12/5 MC OR	orange	12 mm	720	1773541690
WS 14/5 MC	white	14 mm	480	1768090000
WS 15/5 MC	white	15 mm	480	1609880000
WS 15/5 MC GE	yellow	15 mm	480	1773571687

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 8/5 MC	white	8 mm	144	1640750000
WS 10/5 MC	white	10 mm	144	1635010000
WS 10/5 MC middle	white	10 mm	144	1792010000
WS 12/5 MC	white	12 mm	144	1609870000
WS 15/5 MC	white	15 mm	96	1609890000

Clamping width: 6.0 mm

WS - blank

Type	Colour of material	Length	Qty.	Order No.
WS 10/6 MC	white	10 mm	600	1828450000
WS 10/6 MC middle	white	10 mm	600	1818400000
WS 10/6 MC Middle GN	green	10 mm	600	1917420000
WS 10/6 MC Middle GE	yellow	10 mm	600	1917430000
WS 10/6 MC Middle RT	red	10 mm	600	1917440000
WS 10/6 MC Middle OR	orange	10 mm	600	1917410000
WS 12/6 MC	white	12 mm	600	1609900000
WS 12/6 MC GE	yellow	12 mm	600	1773551687
WS 12/6 MC RT	red	12 mm	600	1773551686
WS 12/6 MC BL	blue	12 mm	600	1773551693
WS 12/6 MC OR	orange	12 mm	600	1773551690
WS 12/6 MC BR	brown	12 mm	600	1773551692
WS 12/6 MC VI	violet	12 mm	600	1773551689

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 10/6 MC	white	10 mm	120	1828460000
WS 10/6 MC middle	white	10 mm	120	1818410000
WS 12/6 MC	white	12 mm	120	1609910000

WS markers are perfect for the connectors of the W-series, I-series, P-series and Z-series. WS 10/5 and 10/6 Middle are fitted with a centre foot and can be used for the I-series. The ZS markers are specially designed for the Z-series.

Clamping width: 6.5 mm

Ordering data

WS - blank

Type	Colour of material	Length	Qty.	Order No.
WS 12/6,5 MC	white	12 mm	540	1609920000
WS 12/6,5 MC GE	yellow	12 mm	540	1773561687
WS 12/6,5 MC RT	red	12 mm	540	1773561686
WS 12/6,5 MC BL	blue	12 mm	540	1773561693
WS 12/6,5 MC GN	green	12 mm	540	1773561688

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 12/6,5 MC	white	12 mm	108	1609930000

Clamping width: 8.0 mm

WS - blank

Type	Colour of material	Length	Qty.	Order No.
WS 10/8 MC n	white	10 mm	420	1905950000
WS 12/8 MC n	white	12 mm	420	1906000000

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 10/8 MC	white	10 mm	84	1906030000
WS 12/8 MC	white	12 mm	84	1906010000

Clamping width: 12.0 / 15.0 mm

WS - blank

Type	Colour of material	Length	Qty.	Order No.
WS 10/12 MC n	white	10 mm	300	1905970000
WS 10/15 MC	white	10 mm	240	1854090000

WS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
WS 10/12 MC	white	10 mm	60	1906060000
WS 10/15 MC	white	10 mm	48	1854100000

Clamping width: 5.0 mm

ZS - blank

Type	Colour of material	Length	Qty.	Order No.
ZS 10/5 MC	white	10 mm	480	1610000000
ZS 15/5 MC	white	15 mm	480	1646630000

ZS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
ZS 10/5 MC	white	10 mm	96	1610010000
ZS 15/5 MC	white	15 mm	96	1646640000

Clamping width: 6.0 mm

ZS - blank

Type	Colour of material	Length	Qty.	Order No.
ZS 12/6 MC	white	12 mm	400	1610020000

ZS - Custom printing

Type	Colour of material	Length	Qty.	Order No.
ZS 12/6 MC	white	12 mm	80	1610030000

This tag holder is specially conceived for the IDK 1.5N two-tier terminal of the I-series. The flexible hinge mechanism allows cross-connections to be connected or disconnected at little effort. It can be fitted with four DEK 5 tags or two WS 10/5 Middle connector markers.

Snap Mark

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	white

Ordering data

Type	Length	Width	Qty	Order No.
Snap Mark I	23 mm	5 mm	50	1805880000

Accessories

Type	Length	Width	Qty	Order No.
WS 10/5 MC middle	10 mm	5 mm	720	1792000000
DEK 5/5 MC	5 mm	5 mm	1000	1609801044

The BZT marker carrier enables clear labelling of the ZDU 2.5/4/6 and ZDUA terminal range. The BZT is equipped with the WS 10/5 connector marker. The ZA version ensures maximum stability due to block construction of the marker carrier.

BZT1 / BZT2

Technical specification

Material	Polyamide
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	beige

Ordering data

Type	Length	Width	Qty	Order No.
BZT 1	8 mm	5 mm	100	1805490000
BZT 1 ZA	8 mm	5 mm	100	1805520000
BZT 2	12 mm	5 mm	100	1805480000
BZT 2 ZA	12 mm	5 mm	100	1805530000

Accessories

Type	Length	Width	Qty	Order No.
WS 10/5 MC	10 mm	5 mm	720	1635000000

The SCHT 5 & SCHT 5 S group marker carrier are clipped directly to the TS32 DIN rail (G-rail) or the TS35 DIN rail (top-hat rail). It is therefore possible to provide terminal strip labelling irrespective of the terminal and the type of terminal.

SCHT 5 / SCHT 5 S

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	beige

Ordering data

Type	Length	Width	Qty	Order No.
SCHT 5	44.5 mm	19.5 mm	20	0292460000
SCHT 5 S	44.5 mm	9.5 mm	20	1631930000

Accessories

Type	Length	Width	No. per sheet	Qty	Order No.
ESO 5 white	40 mm	16.5 mm	60	1	1607710000
ESO 5 yellow	40 mm	16.5 mm	60	1	1631350000
ESO 5P white	40 mm	16.5 mm	60	10	1670370000
ESO 5P yellow	40 mm	16.5 mm	60	10	1670380000
ESO 5 S white	40 mm	7 mm	140	1	1631920000
STR 5 FSCHT 5	40 mm	16.5 mm		20	0294000000
STR 5 S FSCHT 5 S	40 mm	7 mm		20	1631940000

F

The SCHT 7 is a hinged group marker carrier for inlay tags that still allows easy access to the clamping screw.

SCHT 7

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	white

Ordering data

Type	Length	Width	Qty	Order No.
SCHT 7	39.3 mm	8 mm	20	0517960000

Accessories

Type	Length	Width	No. per sheet	Qty	Order No.
ESO 7 white	27 mm	6.3 mm	240	1	1607720000
STR 7 SCHT 7	27 mm	6.3 mm		20	0515900000
ESO 7 yellow	27 mm	6.3 mm	240	1	1634780000
ESO 7P white	27 mm	6.3 mm	240	10	1670390000
ESO 7P yellow	27 mm	6.3 mm	240	10	1670400000

SCHT 9/4 and SCHT 14/6 are hinged group marker carriers for single dekafix and WS tags, allowing easy access to the clamping screws.

SCHT 9/4 / SCHT 14/6

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	beige

Ordering data

Type	Length	Width	Qty	Order No.
SCHT 14/6	44.3 mm	6 mm	20	1269060000
SCHT 9/4	32 mm	4 mm	20	1278460000

Accessories

Type	Length	Width	Qty	Order No.
DEK 5/5 MC	5 mm	5 mm	1000	1609801044
WS 12/5 MC	12 mm	5 mm	720	1609860000

F

WGB group marker carrier for single dekafix and WS tags. The WGB also covers the cross-connection channels.

Blank WAD covers for labelling with STI pen, or a special printing for the W-series. Cross-connection channels are covered. Also available with lightning flash warning symbol to DIN 30600.

WGB 5 / WGB 8 / WAD

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C

Ordering data

Type	Length	Width	Colour	Qty	Order No.
WGB 5	33.5 mm	5 mm	beige	50	1050760000
WGB 8	33.5 mm	7.7 mm	beige	50	1050960000
WAD 5	33.5 mm	5 mm	white	50	1056060000
WAD 5 lightning flash	33.5 mm	5 mm	yellow	50	1053460000
WAD 8	33.5 mm	8 mm	white	50	1056160000
WAD 8 lightning flash	33.5 mm	8 mm	yellow	50	1053560000
WAD 12	36.2 mm	12 mm	white	50	1056260000
WAD 12 lightning flash	36.2 mm	12 mm	yellow	50	1055960000
WAD 27	64 mm	27 mm	white	10	1062960000
WAD 27 lightning flash	64 mm	27 mm	yellow	10	1062860000

WAD Custom printing

Type	Length	Width	Colour	Qty	Order No.
WAD 5	33.5 mm	5 mm	white	100	1790060000
WAD 8	33.5 mm	8 mm	white	50	1667700000

Accessories - WGB 5 / WGB 8

Type	Length	Width	Qty	Order No.
DEK 5/5 MC	5 mm	5 mm	1000	1609801044
WS 12/5 MC	12 mm	5 mm	720	1609860000

The ZGB 15 / ZGB 30 is a hinged marker carrier. The tag holder can be fitted with the dekafix 5, WS 12/5 connector markers or with the push-in tag ESO 15 / ESO 7.

ZGB 15 / ZGB 30

Technical specification

Material	Polyamide 66
UL94 flammability rating	V2
Min. temperature, continuous	-40 °C
Max. temperature, continuous	100 °C
Colour of material	white

Ordering data

Type	Length	Width	Qty	Order No.
ZGB 15	15 mm	7 mm	20	1636530000
ZGB 30	32 mm	7 mm	20	1611930000

Accessories

Type	Length	Width	No. per sheet	Qty	Order No.
ESO 15 white	15 mm	6 mm	480	1	1636510000
ESO 7 white	27 mm	6.3 mm	240	1	1607720000
STR 7 SCHT 7	27 mm	6.3 mm		20	0515300000
ESO 7 yellow	27 mm	6.3 mm	240	1	1634780000
STR 15 ZGB 15	15 mm	6.3 mm		20	1636520000
ESO 7P white	27 mm	6.3 mm	240	10	1670390000
DEK 5/5 MC	5 mm	5 mm		1000	1609801044
ESO 7P yellow	27 mm	6.3 mm	240	10	1670400000
WS 12/5 MC	12 mm	5 mm		720	1609860000

The EM 8/30 end bracket marker is suitable for labelling the WEW 35/2 and ZEW 35/2 end brackets as well as marker carrier for W-series terminals. The EM 8/30 can be fitted with the ESO 7 and ESO 7P inlay tags. The pocket guarantees that the labelling is well protected against environmental influences.

EM 8/30

Technical specification

Material	Polypropylene
UL94 flammability rating	HB
Min. temperature, continuous	-40 °C
Max. temperature, continuous	80 °C
Colour of material	transparent

Ordering data

Type	Length	Width	Qty	Order No.
EM 8/30	30 mm	8 mm	50	1806120000

Accessories

Type	Length	Width	No. per sheet	Qty	Order No.
ESO 7 white	27 mm	6.3 mm	240	1	1607720000
ESO 7 yellow	27 mm	6.3 mm	240	1	1634780000
ESO 7P white	27 mm	6.3 mm	240	10	1670390000
ESO 7P yellow	27 mm	6.3 mm	240	10	1670400000

Printing systems and software

The Weidmüller labelling systems are the quick and efficient way of producing markers for connectors, wires, cables and devices, plus labels for general use. The **M-Print® PRO** software enables users to mark electrical equipment quickly and simply. For professional and fast design, printing and ordering of your marking requirements. Borders, barcodes, graphics or photos can all be easily integrated. The multitude of data conversion routines presents you with fast and flexible options for data integration. And the Weidmüller printers **SMark-Laser**, **PrintJet II**, **MCP Plus**, **MC-Mobilo** and **ThermoMark** are ready to meet all your printing needs.

The unique printing speed of the **SMark-Laser** makes it a real winner. The **PrintJet II** is the reference model in industrial marking for high-resolution printing and maximum wipe and scratch resistance. The **MCP Plus** plotter provides you with good flexibility because with its positioning frame it can handle more than 120 different types of marker in the MultiCard format. The **MC-Mobilo** is the ideal printer for labelling on site without a PC and a mains power supply, directly during installation work. And the **ThermoMark** is the perfect system for producing labels in outstanding quality.

	Printer				
Type of marker	**SMark-Laser**	**PrintJet II**	**MCP Plus plotter**	**MC-Mobilo**	**ThermoMark**
Connector markers					
DEK	●	●	●	●	
WS	●	●	●	●[1]	
ZS	●	●	●	●	
MF	●	●	●	●	
Cable and wire markers					
SF	●	●	●[2]	●[2]	
SFX	●	●	●	●	
SFC	●	●	●	●	
TM-I	●	●	●	●	
Device markers					
ESG	●	●	●	●	
SM	●	●	●	●	
ClipCard	●	●	●	●	
Labels					
THM MT					●
THM WriteOn					●

[1] Except WS 15/5

[2] SF4 to 6 only with corresponding positioning frame

SMark-Laser

The **SMark-Laser** is a laser printer for printing on markers in the MultiCard format. The fast production of large numbers of individually printed markers is the special feature of this printer. The automatic feed function of the **SMark-Laser** increases productivity even further and ensures that your markers are available without delay.

- Fast printing speed, 4 MultiCards per minute
- Markers can be used immediately
- Fast operation irrespective of the file size
- Good flexibility thanks to production of markers in MultiCard format to meet users' requirements
- Reduces stocks because only blank markers are required
- Printing of graphics and logos as well
- Optional automatic feed for large quantities
- Can be used together with the Weidmüller **M-Print® PRO** software

Technical data

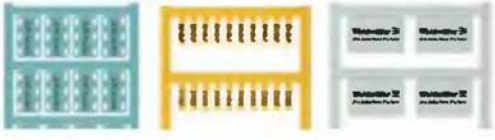
Type	SMark-Laser
Application	Prints all MultiCards
Technology	Laser printer
Printing speed	4 MultiCards per minute
Print quality	600 dpi
Printer drivers	WIN3 x, 9x, NT, HP III compatible
Software	M-Print settings, commercially-available standard software
System requirements	Windows 98/NT/2000/XP
Feed	Manual or with optional loader
Interfaces	Centronics optional, Apple Talk
Power supply	AC 230 V / 50 Hz / 16 A
Ambient conditions	20 °C – 35 °C
Dimensions (L x W x H)	1000 x 430 x 380 mm
Scope of supply	Laser printer, power cable, printer drivers, manual, interface cable, M-Print® PRO software

Ordering data

SMark-Laser

Type	Order No.
SMark-Laser	1767090000
Rack	1782880000
Special toner cartridge	1770070000

Print options



PrintJet II

Individual equipment labels and markers are conveniently and quickly produced with Weidmüller's **PrintJet II** inkjet printer. The PrintJet II produces brilliant, permanently legible markers in the MultiCard format for switchgear, automatic devices, modular terminals, cables, wires or valves. The Weidmüller PrintJet II places industry's reference inkjet printer at your disposal. Maximum wipe and scratch resistance, UV stability and a high print resolution for all MultiCard markers provide you with reliable, permanent labelling.

The PrintJet II permits the printing of very fine fonts, graphics, logos and illustrations. Even the very smallest of characters are clearly legible and this permits even more information to be included on markers. Damaged plotter nibs and long ink drying times are now a thing of the past.

- High-resolution printing
- High-contrast printing
- Highly resistant marking to replace engraving
- Permanently legible marking
- Fast and easy to use
- Prints on all MultiCards
- Also prints logos and graphics
- The feeding device can be loaded with up to 20 MultiCards

Technical data

PrintJet II	
Type	PrintJet II
Application	Prints MultiCard markers
Technology	Inkjet process
Print quality	2880 dpi
Printer drivers	Win 9X, Win NT, Windows 2000
Print software	Recommended: M-Print® PRO
System requirements	Windows 98/NT/2000/XP
Feed	Manual or with optional loader
Fusing	Thermal fusing
Interface	Centronics and USB
Power supply	230/115 V AC
Location	Office conditions
Ambient temperature	10 °C – 35 °C
Dimensions (L x W x H)	800 x 450 x 200 mm
Cartridge system	Ink cartridge, black (210 000 characters, Arial font size 6), average printing output per day: 20 MultiCards, max. printing output per day: 100 MultiCards
Scope of supply	PrintJet printer, power cable, printer drivers, manuals (CD), cleaning unit, centronics cable, M-Print® PRO software

PrintJet Loader	
System requirements	PrintJet printer
Marker types	MultiCard format
Operating voltage	12 V/DC
Current input	approx. 1 A
Interface	Connection via plug-in connector
Location	Office conditions
Ambient temperature	10 °C – 35 °C
Dimensions (L x W x H)	345 x 306 x 155 mm
Weight	4 kg

Ordering data

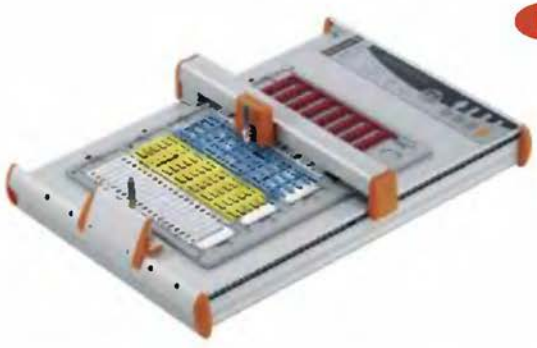
PrintJet II

Type	Order No.
PrintJet II 115 V	1853980000
PrintJet II 230 V	1853990000
PrintJet Loader	1813090000
Accessories	
Ink cartridge PrintJet II	1853920000
Clean Unit PrintJet II	1853950000
Ink cartridge PrintJet	1797460000
Clean Unit PrintJet	4062150000

MCP Plus

Plotter complements the Weidmüller MultiCard concept. It is suitable for smaller quantities of markers and when only part of a MultiCard is to be printed on. The special positioning frame for five MultiCards increases productivity by 20 % over comparable systems. With the positioning frame for SlimFix markers sizes 4 to 6, printing on more than 120 MultiCard types for terminals, cables, wires and equipment is possible. Labels are printed with the MCP-Label positioning frame. Suitable for use with the Weidmüller **M-Print® PRO** software.

- 2 positioning frames for more than 120 MultiCard types
- MultiCards easily fitted into the frame
- Easy to use with partly used MultiCards
- Automatic pen activation function
- Safe storage of the plotter pens



Technical data

Type	Plotter
Application	printing of MultiCard markers and labels
Technology	plotting technique
Print software	M-Print® PRO
System requirements	Windows 95/98/NT/2000/XP
Interface	Parallel Centronics
Power supply	230/115 V AC
Feed	manual
Location	office conditions
Ambient temperature	10 °C – 35 °C
Dimensions (L x W x H)	660 x 440 x 125 mm
Weight	approx. 8 kg
Scope of supply	MCP Plus with Centronics cable, power pack (100-240 V AC/ 50-60 Hz), Euro and US plugs, MultiCard positioning frame, 0.25 mm plotter pen, M-Print® PRO software and manual

Ordering data

Type	MCP Plus Order No.
MCP Plus plotter set	1925000000

Note: Available from July 2006

MCP positioning frames

Ordering data

Type	For	Qty	Order No.
MCP pos. frame	MultiCards	1	1924360000
MCP pos. frame SF 4-6	SlimFix sizes 4 to 6	1	1924310000
MCP pos. frame labels	Labels	1	1924370000

Note: Available from July 2006

MCP plotter pens

Type	For	Qty	Order No.
Plotter pen 0.18	Reusable pen	1	1768570000
Plotter pen 0.25	Reusable pen	1	1768540000
Plotter pen 0.25 P ink	Disposable pen 8 ml	1	1920640000
Plotter pen 0.35	Reusable pen	1	1768550000
Plotter pen 0.35 P ink	Disposable pen 8 ml	1	1920650000
Plotter pen 0.50	Reusable pen	1	1768560000

MCP ink

Type	Inhalt	Qty	Order No.
P ink	22 ml	1	1924340000
MCD ink	22 ml	1	1684470000

MCP miscellaneous

Type	Inhalt	Qty	Order No.
MCP adhesive strips		5	1924320000
P cleaner	22 ml	1	1924330000
MCP cover		1	1924350000
Cleaning beaker		1	1283300000
MCD cleaner	22 ml	1	1684460000

Note: Available from July 2006

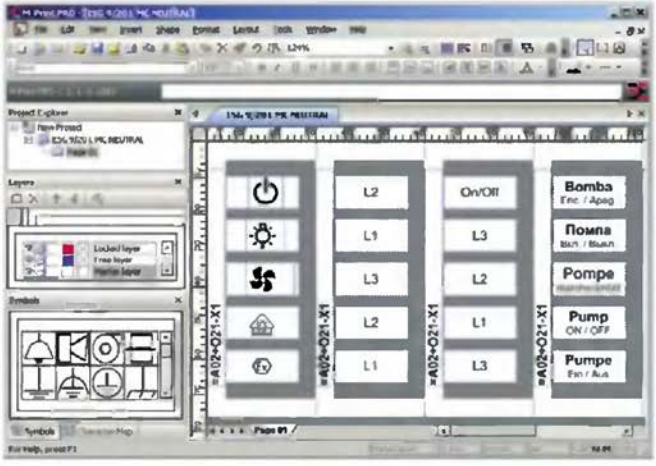
MCP software

Type	Qty	Order No.
M-PRINT PRO	1	1905490000

M-Print® PRO Label Designer

Print and **ordering software** for markers and labels

M-Print® PRO is a professional software for printing and ordering Weidmüller markers and labels under Windows®. This software helps you to optimise your processes for marking electrical equipment. You can design, print and order your marking materials effortlessly, professionally and quickly: texts, frames, lines, graphics, barcodes, serial numbers and photos.



Technical data

Here is an overview of the main functions
Integrated product catalogue for all labels and markers, including images and links to the relevant web pages and product data sheets
Markers and labels can be designed in as many levels as required
Custom formatting of individual text characters (RTF)
Perform copy-and-paste functions with texts and their formats
Supports UNICODE for foreign-language texts, such as Russian, Chinese, Polish, etc.
Enter data on labels or worksheet
Permanent print preview: see how the printout will look during the design phase
Alphanumeric counts and sequences
Extensive range of image formats (*.bmp, *.wmf, *.png, *.ico, *.jpeg, *.tif, *.gif)
Image library including all the important symbols used in electrical engineering
Assign product to specific printer, for example, ESG 9/20 to PrintJet, LaserMark to laser printer, etc.
Output devices supported: PrintJet I-II, SMark-Laser, ThermoCard, THM as well as standard printers with Windows drivers
Optimum and rapid adjustment of the output devices
Online update service via the Internet
Interface to RailDesigner*
Import assistant to create your own import filter for numerous file formats (*.txt, *.asc, *.mak, *.wej, *.tmf, etc.)
Imports data from CAE systems

Operating systems supported
WINDOWS® 98 SE, ME, NT, 2000, XP, Server 2003

System requirements

• RAM	> 64 MB
• Processor	> Pentium PIII or comparable model
• Graphics	> 800 x 600 pixels with 256 colours optimum: 1024 x 768 with 16-bit High Colour
• Hard drive	> 90 MB free storage
• Miscellaneous	mouse, keyboard, CD-ROM drive (to install the software)

M-Print® PRO is available in two editions:

M-Print® PRO Standard Edition for professional printing results with all of Weidmüller's marking materials

M-Print® PRO Advanced Edition for professional printing results with all of Weidmüller's marking materials plus labels to customer specification

Ordering data

Type	M-Print® PRO Order No.
M-Print® PRO	1905490000
M-Print® PRO advanced	1905500000

Cutter

- Cutting formation for different cable sizes increases the quality of the cuts for smaller cross-sections.

KT 8

Cutting tool that does not damage the conductor; for cutting copper and aluminium cables with a diameter of up to 8 mm.
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!

KT 12

Cutting tool that does not damage the conductor; for cutting copper and aluminium cables with a diameter of up to 12 mm.
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!

Technical data

		KT8	KT12
Max. cutting performance copper cable			
Solid (max. conductor cross-section)	mm² / AWG	16 / 6	16 / 6
Stranded (max. conductor cross-section)	mm² / AWG	16 / 6	25 / 3
Flexible (max. conductor cross-section)	mm² / AWG	16 / 6	35 / 2
Flexible, Stranded (max. diameter)	mm	8	12
Sector line			
Max. cutting performance aluminium cable			
Stranded (max. conductor cross-section)	mm² / AWG	16 / 6	25 / 6
Stranded (max. diameter)	mm	8	8
Solid	mm²	16	25
Data-/ telephone-/ control cable			
O.D. max.	mm	8	12
Tool data			
Length / width / height	mm	165 / 65 / 25	215 / 66 / 28
Weight	g	180	300
Information		Tool closed	Tool closed

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	KT 8	1	9002650000	KT 12	1	9002660000
Information						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Information						

WAW 1

Notching tool

Tool for trimming poles from WQV 2.5 to WQV 35 cross connections used in Weidmueller W-Series terminals.

Technical data

Length	167 mm
Weight	227 g

Ordering data

Type	Qty.	Order No.
WAW 1	1	9004500000

WAW 2

Notching tool

Tool for punching out the cross-connection windows of the Weidmüller W-Series, Disconnect terminal WTR 2.5, Fuse terminal WSI 6.

Technical data

Length	205 mm
Weight	338 g

Ordering data

Type	Qty.	Order No.
WAW 2	1	9004510000

KT ZQV

Cutter

Cutter for non-pinch cutting of Weidmüller Z-series cross-connections.

Technical data

Length	215 mm
Weight	300 g

Ordering data

Type	Qty.	Order No.
KT ZQV	1	9002170000

TSLD

Terminal rail cutting and punching tool

Mounting rail cutting and punching tool for:
- TS35/7.5 mm to EN 50022 (s = 1.0 mm)
- TS35/15 mm to EN 50022 (s = 1.5 mm)
- TS32 mm to EN 50035 (s = 1.5 mm)
- TS15/5.5 mm to EN 50045 (s = 1.0 mm)
- Copper grounding rail 10 mm x 3 mm

Punching
Cross- and lengthwise punches (elongated hole 12 x 6.4 mm)
(s = material density of the mounting rail)

Technical data

Width	205 mm
Length	270 mm
Height	200 mm
Weight	19000 g

Ordering data

Type	Qty.	Order No.
TSLD	1	9918700000

Stripping and cutting tools

- For flexible and massive conductors with PVC-insulation
- Stripping length adjustable with shoulder
- automatic opening of the clamping jaws after stripping
- no splicing of the single conductor
- adjustable to different insulation thicknesses
- cable with double insulation in two processing steps without special adjustment
- Blade-device free from float and self-adjustable
- long durability
- optimised ergonomically design

stripax®

Stripping and cutting tool for flexible conductors with PVC-insulation
of 0.08...6 mm² (~AWG 28...10)
- No damaging of the conductor due to special, self-adjustable stripping blades
- Processing of multi-conductors, with thin flat ribbon cables even multiple conductors in one operation

stripax® 16

Stripping and cutting tool for flexible and massive conductors with PVC-insulation
of 6...16 mm² (~AWG 10... 6)
- Cutting of flexible and massive conductors up to 6 mm² (AWG 10)
- No damaging of the conductor due to special blade forms

Technical data

Max. stripping performance		stripax®	stripax® 16
Cable model		flexible & solid conductors with PVC insulation	flexible & solid conductors with PVC insulation
Conductor cross-section	mm²	0.08 ... 6	6 ... 16
Conductor diameter	mm		
Max. stripping length	mm	20	20
Adjustable depth of cut	mm		
Cutting performance			
Max. cutting performance	mm²	6	6
Tool data			
Length	mm	190	190
Weight	g	155	155
Information			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	STRIPAX	1	9005000000	STRIPAX 16	1	9005610000
Information						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
	Cleaning brush	5	9005450000	Cleaning brush	5	9005450000
	Spare stripping blades	1	9054030000	Spare stripping blades	1	9054030000
Information						

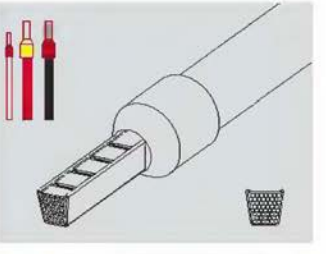
Crimping and cutting tool for wire end ferrules

- Cutting
- Stripping
- Crimping
- Conductor entry sideways
- Wire end ferrules according to DIN 46228-4
- Ratchet for precise crimping
- Efficient operation:
  Change of tools not necessary, therefore significant saving of time
- automatic transport of wire end ferrules
- Only wire end ferrules in strips of 50 pieces may be used with this tool. The use of wire end ferrules on reels can lead to damage.

stripax® plus 2.5

Cutting, stripping and crimping tool for wire end ferrules

Cutting, stripping and crimping tool for linked wire end ferrules on strip with 0.5...2.5 mm² (~AWG 20...14) from Weidmüller
- Easy handling of wire end ferrules
- Automatic feeding of wire end ferrules



Technical data

Description of contact		stripax® plus 2,5
Type of contact		Strip of wire end ferrules
Crimping range	mm²	0.5 ... 2.5
Crimping range 1 (with multiple crimping positions)	mm²	0.5 ... 0.75
Crimping range 2 (with multiple crimping positions)	mm²	1 ... 1.5
Crimping range 3 (with multiple crimping positions)	mm²	2.5
Plug width	mm	

Tool data		
Length	mm	210
Weight	g	260
Information		Only Weidmüller wire end ferrules on strips à 50 pieces may be used. The usage of wire end ferrules supplied by the metre may cause failures.

Ordering data

Version	Type	Qty.	Order No.
	Stripax plus 2,5	1	9020000000
Information	Spare cutter (order no. 9050340000)		

Accessories

Information	

Crimping tools for wire end ferrules

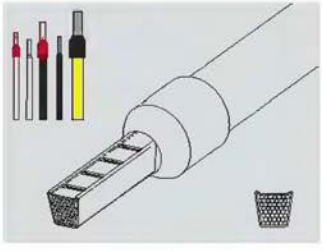
- Ratchet for precise crimping
- Release mechanism in case of incorrect operation
- Entry for wire end ferrule on the side

PZ 4

Crimping tool for wire end ferrules from 0.5...4 mm²

Crimping tool for wire end ferrules (to DIN 46228 part 1 and 4) with and without plastic collar and twin wire end ferrules of 0.5...2.5 mm²

- Only one crimping station for the whole cross-section



PZ 6/5

Crimping tool for wire end ferrules from 0.25...6 mm²

Crimping tool for wire end ferrules (to DIN 46228 pt. 1 and 4) with and without plastic collar of 0.25...6 mm² (~ AWG 24...10) and twin wire end ferrules of 0.5...4.0 mm²

- Crimp according to Euro-Norm EN 60947-1
- Five crimping stations corresponding to the conductor cross-section
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)

Technical data

Description of contact		PZ 4	PZ 6/5
Type of contact		Wire end ferrules with/without plastic collar	Wire end ferrules with/without plastic collar
Crimping range	mm²	0.5 ... 4	0.25 ... 6
Crimping range 1 (with multiple crimping positions)	mm²		0.25 ... 0.5
Crimping range 2 (with multiple crimping positions)	mm²		0.75 ... 1.5
Crimping range 3 (with multiple crimping positions)	mm²		2.5
Crimping range 4 (with multiple crimping positions)	mm²		4
Crimping range 5 (with multiple crimping positions)	mm²		6
Tool data			
Length	mm	200	200
Weight	g	448	423
Information			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 4	1	9012500000	PZ 6/5	1	9011460000
Information						

Accessories

Information

Crimping tools for wire end ferrules

- Ratchet for precise crimping
- Release mechanism in case of incorrect operation

PZ 3

Crimping tool for wire end ferrules from 0.5...6 mm²

Crimping tool for wire end ferrules of 0.5...6 mm² with and without plastic collar according to DIN 46228 part 1 and 4 (~ AWG 20...10) and twin-wire end ferrules of 0.5...4 mm²

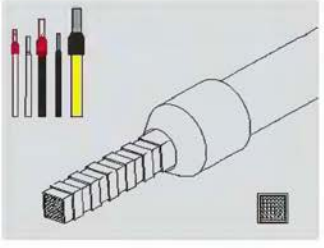
- Only one die for the whole cross-section
- Wire end ferrule insertion from the front

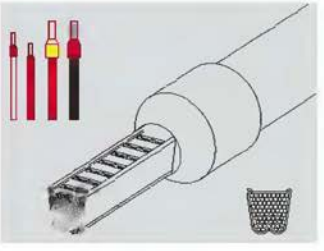
PZ 6 roto

Crimping tool for wire end ferrules from 0.14...6 mm²

Crimping tool for wire end ferrules of 0.14...6 mm² with and without plastic collar to DIN 46228 part 1 and 4 (~ AWG 26...10) and twin-wire end ferrules of 0,5...4 mm²

- Only one die for the whole cross-section
- Pivoted die for wire end ferrule-insertion
- Wire end ferrule insertion from the front or from the side





Technical data

Description of contact		PZ 3	PZ 6 roto
Type of contact		Wire end ferrules with/without plastic collar	Wire end ferrules with/without plastic collar
Crimping range	mm²	0.5 ... 6	0.14 ... 6
Crimping range 1 (with multiple crimping positions)	mm²		
Crimping range 2 (with multiple crimping positions)	mm²		
Crimping range 3 (with multiple crimping positions)	mm²		
Plug width	mm		
Tool data			
Length	mm	200	200
Weight	g	426	428
Information			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 3	1	0567300000	PZ 6 roto	1	9014350000
Information						

Accessories

Information

Crimping tools for wire end ferrules

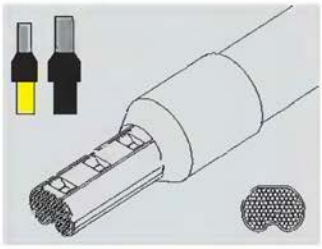
- Ratchet for precise crimping
- Release mechanism in case of incorrect operation
- Entry for wire end ferrule on the side

PZ 16

Crimping tool for wire end ferrules from 6...16 mm²

Crimping tool for wire end ferrules (to DIN 46228 part 1 and 4) with and without plastic collar from 6...16 mm² (~ AWG 10...6)

- Three crimping stations corresponding to the conductor cross-sections
- Crimp according to Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)

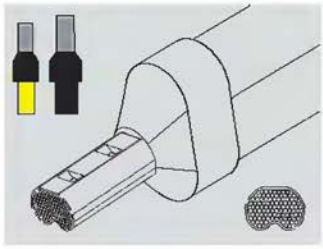


PZ ZH 16

Crimping tool for twin wire end ferrules, 6...16 mm²

Crimping tool for twin wire end ferrules (to DIN 46228 pt.4) with plastic collar from 6...16 mm² (~AWG 10...6)

- Three crimping stations corresponding to the conductor cross-sections



Technical data

Description of contact		PZ 16	PZ ZH 16
Type of contact		Wire end ferrules with/without plastic collar	Twin wire end ferrules
Crimping range	mm²	6...16	6...16
Crimping range 1 (with multiple crimping positions)	mm²	6	6
Crimping range 2 (with multiple crimping positions)	mm²	10	10
Crimping range 3 (with multiple crimping positions)	mm²	16	16
Plug width	mm		
Tool data			
Length	mm	200	260
Weight	g	418	700
Information			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	PZ 16	1	9012600000	PZ ZH 16	1	9013600000
Information						

Accessories

Information

Crimping tools for wire end ferrules

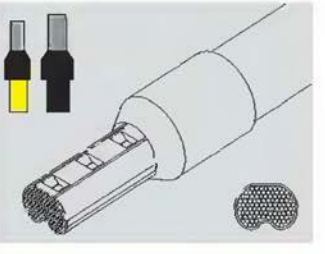
- Ratchet for precise crimping
- Release mechanism in case of incorrect operation

PZ 50

Crimping tool for wire end ferrules with 25, 35 and 50 mm²

Crimping tool for wire end ferrules of 25, 35 and 50 mm² with and without plastic collar to DIN 46228 part 1 and 4(– AWG 3...1)

- Three crimping stations corresponding to the conductor cross-sections
- Crimp according to Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)



Technical data

Description of contact		PZ 50
Type of contact		Wire end ferrules with/without plastic collar
Crimping range	mm²	25 . . 50
Crimping range 1 (with multiple crimping positions)	mm²	25
Crimping range 2 (with multiple crimping positions)	mm²	35
Crimping range 3 (with multiple crimping positions)	mm²	50
Plug width	mm	

Tool data		
Length	mm	260
Weight	g	700
Information		

Ordering data

Version	Type	Qty.	Order No.
	PZ 50	1	9006450000
Information			

Accessories

Information	

Rechargeable torque screwdriver

DMS 3

DMS 3 rechargeable torque screwdriver

- One-hand operation under all working conditions
- Switchable forward and reverse
- Two speeds: 200 and 400 rpm
- Precise torque settings from approx. 0.2 ... 3 Nm in 6 steps
- Consistent performance during battery discharge
- Grip swings easily from rod to pistol form
- Takes 1/4" bits held ball-bearing clamping mechanism (form E6.3)
- Safety lock prevents inadvertent operation
- Easy changeover from battery drive to manual operation up to 15 Nm

DMS 3 Set

Technical data

Screwdriver	
Motor	2.4 V DC
Idling speed	200/400 rpm
Max. torque	3.0 Nm
Chuck	1/4" C6.3 DIN 3126
Length	239 mm
Weight	400 g
Battery	
Type	2 Ni-Cd batteries each 1.2 V
Weight	122 g
Charger	
Input	230 V AC, 50 Hz, 50 mA
Output	2.9 V AC, 1.4 A, 4.1 VA
Charging time	1 hour
Weight	700 g

Ordering data

Type	Qty	Order No.
DMS 3 Screwdriver incl. battery	1	9007440000

Type	Qty	Order No.
DMS 3 set 1 (screwdriver incl. battery, charger, bits, plastic carrying case)	1	9007470000
DMS 3 set 2 (as set 1 with 1 additional battery)	1	9007480000

*) see picture

Accessories

Type	Qty	Order No.
Spare battery	1	9007450000
Charger	1	9007460000

Electric torque screwdriver

DMS 2 Set

- Torque adjustable in four steps for standard screws M2.5 to M4
- Selectable electric power cut-off upon reaching a preselected torque
- High repetition accuracy
- Start-up in low gear and switchover to operating rpm is controlled via the pressure on the screw head
- Switchable forward and reverse
- Fatigue-free working due to ergonomic design and low weight
- Ideal design for one-hand operation under all working conditions and at different working locations
- Low noise
- Low energy consumption

Technical data

Rated voltage	230 V
Frequency	60 Hz
Rated power	45 W
Current consumption	0.2 A
rpm of spindle in search gear	350 min^{-1}
in working mode	700 min^{-1}
Torques	
Level 1 (M 2.5)	0.5 ± 0.1 Nm
Level 2 (M 3)	0.7 ± 0.15 Nm
Level 3 (M 3.5)	1.2 ± 0.2 Nm
Level 4 (M4)	1.7 ± 0.25 Nm
Weight incl. supply cable	0.990 kg
Weight	0.820 kg
Noise level to DIN 45 634	58 db(A)

Protection class II to DIN 57 740
DIN/VDE 0740 T.1 and T.2
EMC to EC directive 89/336/EWG
CE mark

Ordering data

Standard equipment	Type	Qty	Order No.
	DMS 2 with 1/4" drive Form E 6.3 DIN 3126 with hang-up clip and 4 bits for slotted screws (Length 50 mm) Blade dimensions 0.5 x 3 / 0.6 x 3.5 / 0.8 x 4 / 1.0 x 5.5	1	0684600000

Accessories

	Type	Qty	Order No.
Balancer for hanging up the DMS 2	BAL 2 (balancer for hanging up the DMS 2)	1	0181800000

Combined cutting and screw driving tool

that does not damage the edge; for cutting of copper cables with a diameter of up to 1.5 mm² solid and 2.5 mm² flexible.

swifty®

swifty®

- Cable cutting tool to mount on non-insulated screw drivers with a blade diameter of 3.5 mm
- Minimum manual force required
- Automatic opening of the cutter
- Ergonomically designed grip

swifty®set

- Efficient operation:
- Only one tool for cable-processing in IDC-technology
- Suitable for screw and tension clamps
- Readily available pocket size
- For right-handed and left-handed use
- One-hand operation

swifty®set

Technical data

Maximum cutting capacity		
Copper cable:		
Solid cable (conductor cross-section)	mm²	1.5
Flexible cable (conductor cross-section)	mm²	2.5
Tool data		
Length x width x height	mm	35 x 18 x 40
Weight	g	20

Ordering data

Type	Qty	Order No.
swifty® (without screwdriver)	1	9006020000

Type	Qty	Order No.
swifty®set (with screwdriver)	1	9006060000
Screwdriver (SD 0.6x3.5x100)	1	9008330000

VDE insulated screwdriver

VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900, IEC 900. safety tested GS, every one tested. Blade made from fully hardend, high-alloy chromium-vanadium-molybdenum steel, gunmetal finish.

SDI S

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, output to DIN 5264, ISO 2380/1, SoftFinish grip

Type	Size / SW	A	B	C	Order No.
SDI 0,4x2,5x75		0.4	2.5	80	9008370000
SDI 0,5x3,0x100		0.5	3.0	100	9008380000
SDI 0,6x3,5x100		0.6	3.5	100	9008390000
SDI 0,8x4,0x100		0.8	4.0	100	9008400000
SDI 1,0x4,5x125		1.0	4.5	125	9008910000
SDI 1,0x5,5x125		1.0	5.5	125	9008410000
SDI 1,2x6,5x150		1.2	6.5	150	9008420000
SDI 1,6x8,0x175		1.6	8.0	175	9008430000

SDIK PH

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

SDIK PH0	0			60	9008560000
SDIK PH1	1			80	9008570000
SDIK PH2	2			100	9008580000
SDIK PH3	3			150	9008590000

SDIK PZ

VDE insulated crosshead screwdriver type Pozidriv SDIK PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ, SoftFinish grip

SDIK PZ1	1			80	9008900000
SDIK PZ2	2			100	9008890000

SDIT

VDE insulated Torx®-screwdriver, SDIT SoftFinish grip

SDI T8	8			60	9201940000
SDI T10	10			80	9009640000
SDI T15	15			80	9009650000
SDI T20	20			80	9009660000
SDI T25	25			80	9009670000
SDI T30	30			100	9009680000
SDI T40	40			150	9009690000

SKI

VDE insulated hexagon socket wrench, SKI SoftFinish grip

SKI 5,0x125	5			125	9009000000
SKI 5,5x125	5.5			125	9008990000
SKI 6,0x125	6			125	9008980000
SKI 7,0x125	7			125	9008970000
SKI 8,0x125	8			125	9008960000
SKI 9,0x125	9			125	9008950000
SKI 10,0x125	10			125	9008940000
SKI 11,0x125	11			125	9008930000
SKI 13,0x125	13			125	9008920000

Information

Uninsulated screwdriver

Weidmüller SoftFinish screwdriver for general uses, blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, matt chrome finish.

SD S

Slotted screwdriver with round blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1, ChromTop tip, SoftFinish grip

Type	Size / SW	A	B	C	Order No.
SD 0,4x2 0x60		0,4	2,0	60	9037160000
SD 0,4x2 5x75		0,4	2,5	75	9009030000
SD 0,5x3 0x80		0,5	3,0	80	9008320000
SD 0,6x3 5x100		0,6	3,5	100	9008330000
SD 0,6x3 5x200		0,6	3,5	200	9010110000
SD 0,8x4 0x100		0,8	4,0	100	9008340000
SD 1,2x6 5x150		1,2	6,5	150	9009010000
SD 0,8x4 5x125		0,8	4,5	125	9009020000
SD 1,0x5 5x150		1,0	5,5	150	9008350000

SDK PH

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, ouput to ISO 8764-PH, ChromTop tip, SoftFinish grip

SDK PH0	0			60	9008470000
SDK PH1	1			80	9008480000
SDK PH2	2			100	9008490000
SDK PH3	3			150	9008500000

SDK PZ

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, ouput to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

SDK PZ0	0			60	9008520000
SDK PZ1	1			80	9008530000
SDK PZ2	2			100	9008540000
SDK PZ3	3			150	9008550000

SD TH

Torx® TH screwdriver with hole in tip of blade (tamper-tesistant), SD TH for screwing Torx® and Torx®-TH security screws (pin in centre of Torx recess), ChromTop tip, SoftFinish grip

SD TH8	8			60	9009190000
SD TH10	10			80	9009180000
SD TH15	15			80	9009170000
SD TH20	20			100	9009160000
SD TH25	25			100	9009150000
SD TH30	30			115	9009140000

SK

Hexagon socket wrench SK DIN 3125, ouput to DIN 3125, SoftFinish grip

SK 5,0x125	5			125	9009130000
SK 5,5x125	5,5			125	9009120000
SK 6,0x125	6			125	9009110000
SK 7,0x125	7			125	9009100000
SK 8,0x125	8			125	9009090000
SK 9,0x125	9			125	9009080000
SK 10,0x125	10			125	9009070000
SK 11,0x125	11			125	9009060000
SK 12,0x125	12			125	9009050000
SK 13,0x125	13			125	9009040000

Information

Wrench set Weidmüller

Allen key made from fully hardened, high-alloy chromium-vanadium-steel, to DIN ISO 2936 L (DIN 911), surface high-quality refined.

SK WSD S

9-piece offset screwdriver set in Prostar holder, with **MagicRing:** holds standard screws (size 3 and larger) in any position thanks to spring steel ring, with **ball point**: for working at angles up to 25°.

SW

Type	Size / SW	A	B	C	Order No.
	1.5				
	2				
	2.5				
	3				
	4				
	5				
	6				
	8				
	10				
SK WSD-S 1,5-10,0					9008350000

SK S

7-piece Allen key set

SW

	2				
	2.5				
	3				
	4				
	5				
	8				
	6				
SKS 2,0-8,0					9008360000

SK S

7-piece Allen key set with MagicRing and ball point: holds standard screws (size 3 and larger) in any position thanks to spring steel ring, with ball point: for working at angles up to 25°.

SW

	2				
	2.5				
	3				
	4				
	5				
	6				
	9				
SKS 2,0-8,0 MR					9008370000

TH S

8-piece Torx®-TH screwdriver set
with hole in the blade point (tamper-proof), for screwing Torx® and Torx®-TH tamper-proof screws (centre pin in profile)

SW

	9				
	10				
	15				
	20				
	25				
	27				
	30				
	40				
TH-S 9-40					9008380000

Information

DMS manual / DMSI manual

Torque screwdrivers with insulation up to 1000 V (VDE)
• DMSI manual

The "DMSI manual" with integral window torque scale combined with a Weidmüller 1000 V insulated (VDE) interchangeable blade ensures controlled tightening of screws plus reliability in electrical applications.
Every 1000 V insulated handle (VDE) and blade (VDE) is tested and provides the necessary safety up to 1000 V AC/1500 V DC.

Torque screwdrivers
• DMS manual

This is a versatile tool suitable for a variety of jobs, with integral scale for easy reading of the torque value plus a Weidmüller interchangeable blade.

Scale

Each model is available with two torque ranges:

- 0.5 to 1.7 Nm
- 2.0 to 8.0 Nm
- setting tool included

Setting tool

Advantages:

- Compact and especially lightweight design
- Torque set with special tool (included) to ensure the right setting
- Ergonomic handle size to match the torque range
- Every tool checked and given an ID No., 100 % quality control with verification and product reference
- Audible, unmistakable click upon reaching the torque, no unnecessary effort
- Interchangeable blade made from high-quality wear-resistant tool steel
- All tools comply with the accuracy stipulations of: EN ISO 6798, BS EN 26789, ASME B107.14M
- Operating accuracy: ±6 % of set scale value

Uninsulated torque screwdriver

DMS manual

Torque-screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M

Type	Size / SW	A	B	C	Order No.
DMS MANUAL 0,5-1,7	0,5 - 1,7 Nm				9918370000
DMS MANUAL 2,0-8,0	2,0 - 8,0 Nm				9918380000

WK K S

Interchangeable blades for torque-screwdriver
output according to DIN 5264, ISO 2380/1

WK S 0,4x2,5	max. 0,6 Nm	0,4	2,5	175	9918520000
WK S 0,5x3,0	max. 0,6 Nm	0,5	3,0	175	9918530000
WK S 0,6x3,5	max. 1,1 Nm	0,6	3,5	175	9918540000
WK S 0,8x4,0	max. 2,5 Nm	0,8	4,0	175	9918550000
WK S 1,0x5,5	max. 3,8 Nm	1,0	5,5	175	9918560000

WK K PZ

Interchangeable blades for torque-screwdriver
output according to DIN 5260-PZ, ISO 8764/1-PZ

WK K PZ0	max. 0,9 Nm			175	9918600000
WK K PZ1	max. 3,8 Nm			175	9918610000
WK K PZ2	max. 5,5 Nm			175	9918620000

WK K PH

Interchangeable blades for torque-screwdriver
output according to DIN 5260-PH, ISO 8764/1-PH

WK K PH0	max. 0,9 Nm			175	9918570000
WK K PH1	max. 3,8 Nm			175	9918580000
WK K PH2	max. 5,5 Nm			175	9918590000

Information

VDE insulated torque screwdriver

VDE insulated torque screwdriver Weidmüller SoftFinish electric for work on live parts up to 1000 Vac and 1500 Vdc, DIN EN 60900, IEC 900. GS symbol, every one tested.

DMSI manual

VDE insulated torque-screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M

Type	Size / SW	A	B	C	Order No.
DMSI MANUAL 0,5-1,7	0,5 - 1,7 Nm				9918390000
DMSI MANUAL 2,0-8,0	2,0 - 8,0 Nm				9918400000

WK SI

VDE insulated interchangeable blades for VDE insulated torque-screwdriver
output according to DIN 5264, ISO 2380/1

WK SI 0,4x2,5	max. 0,6 Nm	0,4	2,5	175	9918410000
WK SI 0,5x3,0	max. 0,6 Nm	0,5	3,0	175	9918420000
WK SI 0,6x3,5	max. 1,1 Nm	0,6	3,5	175	9918430000
WK SI 0,8x4,0	max. 2,5 Nm	0,8	4,0	175	9918440000
WK SI 1,0x5,5	max. 3,8 Nm	1,0	5,5	175	9918450000

WK IK PH

VDE insulated interchangeable blades for VDE insulated torque-screwdriver
output according to DIN 5260-PH, ISO 8764/1-PH

WK IK PH0	max. 0,9 Nm			175	9918460000
WK IK PH1	max. 3,8 Nm			175	9918470000
WK IK PH2	max. 5,5 Nm			175	9918480000

WK IK PZ

VDE insulated interchangeable blades for VDE insulated torque-screwdriver
output according to DIN 5260-PZ, ISO 8764/1-PZ

WK IK PZ0	max. 0,9 Nm			175	9918490000
WK IK PZ1	max. 3,8 Nm			175	9918500000
WK IK PZ2	max. 5,5 Nm			175	9918510000

Information

IS4, IS6, IS8

Allen key

Allen key, with spigot
- Surface nickel-plated
- Made from hardened chromium-vanadium steel
- According to DIN 6911
- Designed for screws to DIN 6912

Technical data

Ordering data

Type	Qty.	Order No.
IS 4	1	0485100000
IS 6	1	0407900000
IS 8	1	0235000000

IS 2 KG; IS 3 KG; IS 4 KG

Hexagon screwdriver

Hexagon screwdriver with cross-grip made from high-quality plastics
- Surface nickel-plated
- Made from hardened chromium-vanadium steel
- According to DIN 6911
- Designed for screws to DIN 6912

Technical data

Ordering data

Type	Qty.	Order No.
IS 2 KG	1	1806630000
IS 3 KG	1	1806650000
IS 4 KG	1	1806660000

BIT E6.3Z, SDIZ

for fixing sockets

Bits and screwdrivers with shouldered blades for fixing sockets to the Weidmüller range of modular terminals.
- No damage to walls around contacts
- Made from hardened chrome-vanadium steel
- Suitable for all Weidmüller sockets
- Bit holders available for E6.3
- DIN 3126 for bits and DIN EN 60900, IEC 900 for screwdrivers

Technical data

Ordering data

Holder	Blade	Order No.
BIT E6.3Z	0.8x4.0x39	9025590000
BIT E6.3Z	0.6x3.5x39	9025570000
SDIZ	0.8x4.0	9008490000
SDIZ	0.3x3.5	9008450000

Tools

Tools for insulated cable lugs

Tool		Type of contact		
	Order No.	.5 – 1.5	1.5 – 2.5	4.0 – 6.0
CTI 6	9006120000	●	●	●
CTI 6 S	9006210000	●	●	●
HTI 15	9014400000	●	●	
Station		red	blue	yellow

Crimping tools for ferrules

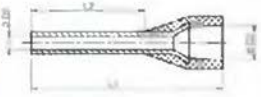
	PZ 1.5	stripax® plus 2.5	PZ 3	PZ 4	PZ 6 roto	PZ 6 HEX	PZ 6/5	PZ 16	PZ 50
	Order No.								
	9005990000	9020000000	0567300000	9012500000	9014350000	9013650000	9011460000	9012600000	9006450000
Ferrule mm²									
H 0.25	●				●	●	●		
H 0.34	●				●	●	●		
H 0.5	●	●'	●	●	●	●	●		
H 0.75	●	●'	●	●	●	●	●		
H 1.0	●	●'	●	●	●	●	●		
H 1.5	●	●'	●	●	●	●	●		
H 2.5		●'	●	●	●	●	●		
H 4.0			●	●	●	●	●		
H 6.0			●		●	●	●	●	
H 10.0								●	
H 16.0								●	
H 25.0									●
H 35.0									●
H 50.0									●

●' = ferrules in strip form only

Twin wire end ferrules are to be crimped according to the following table:

Tool		Ferrules								
	Order No.	H 0.5	H 0.75	H 1.0	H 1.5	H 2.5	H 4.0	H 6.0	H 10.0	H 16.0
PZ 1.5	9005990000	●	●							
PZ 3	0567300000	●	●	●	●	●				
PZ 4	9012500000	●	●	●	●	●				
PZ 6 roto	9014350000	●	●	●	●	●	●			
PZ 6/5	9011460000		●	●	●	●	●			
Station		1.5 mm²	1.5 mm²	2.5 mm²	2.5 mm²	4 mm²	6 mm²			
PZZH16	9013600000							●	●	●

Wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.14 to 150 mm² (AWG 26-300MCM)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

packed loose

Ordering data

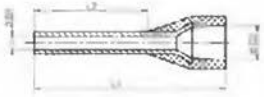
Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0 25/10	0.25	24	10.0	6.0	0.8	1.8	8.0	light blue	500	9025740000
H0 25/12	0.25	24	12.0	8.0	0.8	1.8	10.0	light blue	500	9025760000
H0 34/10	0.34	22	10.0	6.0	0.8	2.0	8.0	turquoise	500	9025750000
H0 34/12	0.34	22	12.0	8.0	0.8	2.0	10.0	turquoise	500	9025770000
H0 5/12	0.50	20	12.0	6.0	1.0	2.6	8.0	orange	500	0409500000
H0 5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	500	0690700000
H0 5/16	0.50	20	16.0	10.0	1.0	2.6	12.0	orange	500	9025870000
H0 75/12	0.75	18	12.0	6.0	1.2	2.8	8.0	O white	500	0409600000
H0 75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	O white	500	0462900000
H0 75/16	0.75	18	16.0	10.0	1.2	2.8	12.0	O white	500	9025860000
H0 75/18	0.75	18	18.0	12.0	1.2	2.8	14.0	O white	500	9025910000
H1 0/12	1.00	17	12.0	6.0	1.4	3.0	8.0	yellow	500	0409700000
H1 0/14	1.00	17	14.0	8.0	1.4	3.0	10.0	yellow	500	0463000000
H1 0/16	1.00	17	16.0	10.0	1.4	3.0	12.0	yellow	500	9025950000
H1 0/18	1.00	17	18.0	12.0	1.4	3.0	15.0	yellow	500	9025930000
H1 5/14	1.50	16	14.0	8.0	1.7	3.5	10.0	red	500	0463100000
H1 5/16	1.50	16	16.0	10.0	1.7	3.5	12.0	red	500	0635100000
H1 5/24	1.50	16	24.0	18.0	1.7	3.5	20.0	red	500	0565600000
H2 5/14D	2.50	14	14.0	8.0	2.2	4.2	10.0	blue	500	9019160000
H2 5/18D	2.50	14	18.0	12.0	2.2	4.2	14.0	blue	500	9019170000
H2 5/24D	2.50	14	24.0	18.0	2.2	4.2	20.0	blue	500	9019180000
H4 0/17D	4.00	12	17.0	10.0	2.8	4.8	12.0	grey	500	9019190000
H4 0/20D	4.00	12	20.0	12.0	2.8	4.8	14.0	grey	500	9019200000
H4 0/26D	4.00	12	26.0	18.0	2.8	4.8	20.0	grey	100	9019210000
H6 0/20	6.00	10	20.0	12.0	3.5	6.3	14.0	black	100	0533500000
H6 0/26	6.00	10	26.0	18.0	3.5	6.3	20.0	black	100	0565700000
H10 0/22	10.00	7	22.0	12.0	4.5	7.6	15.0	ivory	100	0534200000
H10 0/28	10.00	7	28.0	18.0	4.5	7.6	21.0	ivory	100	0565800000
H16 0/24	16.00	6	24.0	12.0	5.8	8.8	15.0	green	100	0565900000
H16 0/28	16.00	6	28.0	18.0	5.8	8.8	21.0	green	100	0566000000
H25 0/30	25.00	3	30.0	16.0	7.3	11.2	18.0	brown	50	0317000000
H25 0/36	25.00	3	36.0	22.0	7.3	11.2	24.0	brown	50	0317100000
H35 0/30	35.00	2	30.0	16.0	8.3	12.7	19.0	beige	50	0317200000
H35 0/39	35.00	2	39.0	25.0	8.3	12.7	28.0	beige	50	0317300000
H50 0/36	50.00	1	36.0	20.0	10.3	15.0	26.0	olive green	50	0444200000
H70 0/40	70.00	2/0	37.0	20.0	12.7	16.0	26.0	yellow	25	9028200000
H95 0/44	95.00	3/0	44.0	25.0	14.7	18.0	31.0	red	25	9028210000
H120 0/50	120.00	4/0	50.0	30.0	16.5	21.0	36.0	blue	25	9028220000
H150 0/54	150.00	300 MCM	54.0	32.0	18.5	23.5	38.0	yellow	25	9028230000

Weidmüller colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0 14/10	0.14	26	10.0	6.0	0.6	1.5	8.0	grey	500	9005180000
H0 14/12	0.14	26	12.0	8.0	0.6	1.5	10.0	grey	500	9028240000
H0 25/10	0.25	24	10.0	6.0	0.8	1.8	8.0	light blue	500	9026050000
H0 25/12	0.25	24	12.0	8.0	0.8	1.8	10.0	light blue	500	9025780000
H0 34/10	0.34	22	10.0	6.0	0.8	2.0	8.0	turquoise	500	9026030000
H0 34/12	0.34	22	12.0	8.0	0.8	2.0	10.0	turquoise	500	9025790000
H0 5/10	0.50	20	10.0	6.0	1.0	2.6	8.0	orange	500	9028260000
H0 5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	500	9026060000
H0 5/16	0.50	20	16.0	10.0	1.0	2.6	12.0	orange	500	9028270000
H0 75/12	0.75	18	12.0	6.0	1.2	2.8	8.0	O white	500	9028280000
H0 75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	O white	500	9026070000
H0 75/16	0.75	18	16.0	10.0	1.2	2.8	12.0	O white	500	9028290000
H0 75/18	0.75	18	18.0	12.0	1.2	2.8	14.0	O white	500	9028300000
H1 0/12	1.00	17	12.0	6.0	1.4	3.0	8.0	yellow	500	9028310000
H1 0/14	1.00	17	14.0	8.0	1.4	3.0	10.0	yellow	500	9026080000
H1 0/16	1.00	17	16.0	10.0	1.4	3.0	12.0	yellow	500	9028320000
H1 0/18	1.00	17	18.0	12.0	1.4	3.0	15.0	yellow	500	9028340000
H1 5/14	1.50	16	14.0	8.0	1.7	3.5	10.0	red	500	9026090000
H1 5/16	1.50	16	16.0	10.0	1.7	3.5	12.0	red	500	9028350000
H2 5/14	2.50	14	14.0	8.0	2.2	4.2	10.0	blue	500	9026100000
H4 0/17	4.00	12	17.0	10.0	2.8	4.8	12.0	grey	250	9026010000



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 to 2.5 mm² (AWG 22-14)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

Strip of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	500	9004270000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	white	500	9004290000
H1.0/14	1.00	17	14.0	8.0	1.4	3.0	10.0	yellow	500	9004320000
H1.5/14	1.50	16	14.0	8.0	1.7	3.2	10.0	red	500	9004340000
H2.5/14D	2.50	14	14.0	8.0	2.2	4.0	11.0	blue	500	9004360000

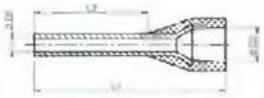
Weidmüller colour code

Reel of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.34/12	0.34	22	12.0	8.0	0.8	2.0	10.0	turquoise	5000	9004390000
H0.5/14	0.50	20	14.0	8.0	1.0	2.6	10.0	orange	5000	9005810000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	white	5000	9005820000
H1.0/14	1.00	17	14.0	8.0	1.4	3.0	11.0	yellow	5000	9005830000
H1.5/14	1.50	16	14.0	8.0	1.7	3.2	10.0	red	5000	9005840000
H2.5/14D	2.50	14	14.0	8.0	2.2	4.0	11.0	blue	3000	9005850000

Wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 to 50 mm² (AWG 20-1)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

DIN colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	VG*	Qty.	Order No.
H0.5/12D	0.50	20	12.0	6.0	1.0	2.6	8.0	white	T 20A.001 A	500	9019000000
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	T 20A.002 A	500	9019010000
H0.5/16D	0.50	20	16.0	10.0	1.0	2.6	12.0	white	T 20A.003 A	500	9019020000
H0.75/12D	0.75	18	12.0	6.0	1.2	2.8	8.0	grey	T 20A.004 A	500	9019030000
H0.75/14D	0.75	18	14.0	8.0	1.2	2.8	10.0	grey	T 20A.005 A	500	9019040000
H0.75/16D	0.75	18	16.0	10.0	1.2	2.8	12.0	grey	T 20A.006 A	500	9019050000
H0.75/18D	0.75	18	18.0	12.0	1.2	2.8	14.0	grey	T 20A.007 A	500	9019060000
H1.0/12D	1.00	17	12.0	6.0	1.4	3.0	8.0	red	T 20A.008 A	500	9019070000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	T 20A.009 A	500	9019080000
H1.0/16D	1.00	17	16.0	10.0	1.4	3.0	12.0	red	T 20A.010 A	500	9019100000
H1.0/18D	1.00	17	18.0	12.0	1.4	3.0	15.0	red	T 20A.011 A	500	9019110000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.5	10.0	black		500	9019120000
H1.5/16D	1.50	16	16.0	10.0	1.7	3.5	12.0	black	T 20A.013 A	500	9019130000
H1.5/18D	1.50	16	18.0	12.0	1.7	3.5	15.0	black	T 20A.014 A	500	9019140000
H1.5/24D	1.50	16	24.0	18.0	1.7	3.5	20.0	black	T 20A.015 A	500	9019150000
H2.5/14D	2.50	14	14.0	8.0	2.2	4.2	10.0	blue	T 20A.016 A	500	9019160000
H2.5/18D	2.50	14	18.0	12.0	2.2	4.2	14.0	blue	T 20A.017 A	500	9019170000
H2.5/24D	2.50	14	24.0	18.0	2.2	4.2	20.0	blue	T 20A.018 A	500	9019180000
H4.0/17D	4.00	12	17.0	10.0	2.8	4.8	12.0	grey	T 20A.019 A	500	9019190000
H4.0/20D	4.00	12	20.0	12.0	2.8	4.8	14.0	grey	T 20A.020 A	500	9019200000
H4.0/26D	4.00	12	26.0	18.0	2.8	4.8	20.0	grey	T 20A.021 A	100	9019210000
H6.0/20D	6.00	10	20.0	12.0	3.5	6.3	14.0	yellow	T 20A.022 A	100	9019220000
H6.0/26D	6.00	10	26.0	18.0	3.5	6.3	20.0	yellow	T 20A.023 A	100	9019230000
H10.0/22D	10.00	7	22.0	12.0	4.5	7.6	15.0	red	T 20A.024 A	100	9019240000
H10.0/28D	10.00	7	28.0	18.0	4.5	7.6	21.0	red	T 20A.025 A	100	9019250000
H16.0/24D	16.00	6	24.0	12.0	5.8	8.8	15.0	blue	T 20A.026 A	100	9019260000
H16.0/28D	16.00	6	28.0	18.0	5.8	8.8	21.0	blue	T 20A.027 A	100	9019270000
H25.0/30D	25.00	3	30.0	16.0	7.3	11.2	18.0	yellow	T 20A.028 A	50	9019280000
H25.0/36D	25.00	3	36.0	22.0	7.3	11.2	24.0	yellow	T 20A.030 A	50	9019300000
H35.0/30D	35.00	2	30.0	18.0	8.3	12.7	21.0	red	T 20A.032 A	50	9019320000
H35.0/30D	35.00	2	30.0	16.0	8.3	12.7	19.0	red	T 20A.031 A	50	9019310000
H35.0/39D	35.00	2	39.0	25.0	8.3	12.7	28.0	red	T 20A.033 A	50	9019330000
H50.0/36D	50.00	1	36.0	20.0	10.3	15.0	26.0	blue	T 20A.034 A	50	9019340000
H50.0/40D	50.00	1	40.0	25.0	10.3	15.0	31.0	blue	T 20A.035 A	50	9019350000

DIN colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length*	Colour	VG*	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	T 20A.002 A	500	9019400000
H0.75/14D	0.75	18	14.0	8.0	1.2	2.8	10.0	grey	T 20A.005 A	500	9019410000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	T 20A.009 A	500	9019420000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.5	10.0	black		500	9019430000
H1.5/24D	1.50	16	24.0	18.0	1.7	3.5	20.0	black	T 20A.015 A	500	9004140000
H2.5/14	2.50	14	14.0	8.0	2.2	4.2	10.0	blue	T 20A.016 A	500	9026100000
H4.0/17	4.00	12	17.0	10.0	2.8	4.8	12.0	grey	T 20A.019 A	250	9026010000

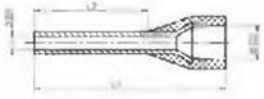
DIN colour code

Strip of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	VG*	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	T 20A.002 A	500	9004280000
H0.75/14D	0.75	18	14.0	8.0	1.2	2.8	10.0	grey	T 20A.005 A	500	9004300000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	T 20A.009 A	500	9004330000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.2	10.0	black	T 20A.012 A	500	9004350000
H2.5/14D	2.50	14	14.0	8.0	2.2	4.0	11.0	blue		500	9004360000

VG* = Military designation according to VG 96933-20



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 to 2.5 mm² (AWG 20-14)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

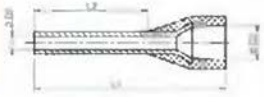
DIN colour code

Reel of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	5000	9005860000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	grey	5000	9005870000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	11.0	red	5000	9005880000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.2	10.0	black	5000	9005890000
H2.5/14D	2.50	14	14.0	8.0	2.2	4.0	11.0	blue	3000	9005850000

Wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.14 to 25 mm² (AWG 26-3)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

other colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.25/10T	0.25	24	10.0	6.0	0.8	1.8	8.0	yellow	500	9021010000
H0.25/12T	0.25	24	12.0	8.0	0.8	1.8	10.0	yellow	500	9021020000
H0.5/12D	0.50	20	12.0	6.0	1.0	2.6	8.0	white	500	9019000000
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	500	9019010000
H0.5/16D	0.50	20	16.0	10.0	1.0	2.6	12.0	white	500	9019020000
H0.75/12T	0.75	18	12.0	6.0	1.2	2.8	8.0	light blue	500	9021030000
H0.75/14	0.75	18	14.0	8.0	1.2	2.8	10.0	light blue	500	9021040000
H0.75/16T	0.75	18	16.0	10.0	1.2	2.8	12.0	light blue	500	9021050000
H0.75/18T	0.75	18	18.0	12.0	1.2	2.8	14.0	light blue	500	9021060000
H1.0/12D	1.00	17	12.0	6.0	1.4	3.0	8.0	red	500	9019070000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	500	9019080000
H1.0/16D	1.00	17	16.0	10.0	1.4	3.0	12.0	red	500	9019100000
H1.0/18D	1.00	17	18.0	12.0	1.4	3.0	15.0	red	500	9019110000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.5	10.0	black	500	9019120000
H1.5/16D	1.50	16	16.0	10.0	1.7	3.5	12.0	black	500	9019130000
H1.5/18D	1.50	16	18.0	12.0	1.7	3.5	15.0	black	500	9019140000
H1.5/24D	1.50	16	24.0	18.0	1.7	3.5	20.0	black	500	9019150000
H2.5/14T	2.50	14	14.0	8.0	2.2	4.2	10.0	grey	500	9021070000
H2.5/18T	2.50	14	18.0	12.0	2.2	4.2	14.0	grey	500	9021080000
H2.5/24T	2.50	14	24.0	18.0	2.2	4.2	20.0	grey	500	9021090000
H4.0/17T	4.00	12	17.0	10.0	2.8	4.8	12.0	orange	500	9021100000
H4.0/20T	4.00	12	20.0	12.0	2.8	4.8	14.0	orange	500	9021110000
H4.0/26T	4.00	12	26.0	18.0	2.8	4.8	20.0	orange	100	9021120000
H6.0/20T	6.00	10	20.0	12.0	3.5	6.3	14.0	green	100	9021130000
H6.0/26T	6.00	10	26.0	18.0	3.5	6.3	20.0	green	100	9021140000
H10.0/22T	10.00	7	22.0	12.0	4.5	7.6	15.0	brown	100	9021150000
H10.0/28T	10.00	7	28.0	18.0	4.5	7.6	21.0	brown	100	9021160000
H16.0/24T	16.00	6	24.0	12.0	5.8	8.8	15.0	white	100	9021170000
H16.0/28T	16.00	6	28.0	18.0	5.8	8.8	21.0	white	100	9021180000
H25.0/30T	25.00	3	30.0	16.0	7.3	11.2	18.0	black	50	9021190000
H25.0/36T	25.00	3	36.0	22.0	7.3	11.2	24.0	black	50	9021200000

other colour code

in multipack bag

Ordering data

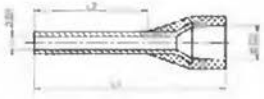
Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.14/10T	0.14	26	10.0	6.0	0.6	1.5	8.0	brown	500	9028250000
H0.25/10T	0.25	24	10.0	6.0	0.8	1.8	8.0	yellow	500	9021210000
H0.25/12T	0.25	24	12.0	8.0	0.8	1.8	10.0	yellow	500	9021220000
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	500	9019400000
H0.75/14T	0.75	18	14.0	8.0	1.2	2.8	10.0	light blue	500	9021230000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	500	9019420000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.5	10.0	black	500	9019430000
H1.5/24D	1.50	16	24.0	18.0	1.7	3.5	20.0	black	500	9004140000
H2.5/14T	2.50	14	14.0	8.0	2.2	4.2	10.0	grey	500	9021240000
H4.0/17T	4.00	12	17.0	10.0	2.8	4.8	12.0	orange	250	9021250000

other colour code

Strip of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	500	9004280000
H0.75/14T	0.75	18	14.0	8.0	1.2	2.8	10.0	light blue	500	9004310000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	10.0	red	500	9004330000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.2	10.0	black	500	9004350000
H2.5/14T	2.50	14	14.0	8.0	2.2	4.0	11.0	grey	500	9004370000



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 to 2.5 mm² (AWG 20-14)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

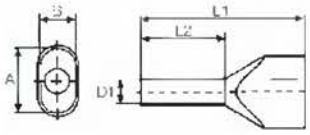
other colour code

Reel of wire end ferrules

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/14D	0.50	20	14.0	8.0	1.0	2.6	10.0	white	5000	9005860000
H0.75/14T	0.75	18	14.0	8.0	1.2	2.8	10.0	light blue	5000	9005900000
H1.0/14D	1.00	17	14.0	8.0	1.4	3.0	11.0	red	5000	9005830000
H1.5/14D	1.50	16	14.0	8.0	1.7	3.2	10.0	black	5000	9005890000
H2.5/14T	2.50	14	14.0	8.0	2.2	4.0	11.0	grey	3000	9005910000

Twin-wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 2 No. 0.5 to 2 No. 16 mm² (2 No. AWG 20 to 2 No. AWG 6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

packed loose

Ordering data

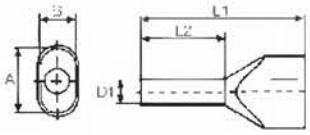
Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/15	0.50	20	15.0	8.0	1.4		11.0	orange	500	9037200000
H0.5/16.5	0.50	20	16.0	10.0	1.4		13.0	orange	500	9037210000
H0.5/18.5	0.50	20	19.0	12.0	1.4		15.0	orange	500	9037220000
H0.75/15	0.75	18	15.0	8.0	1.7		11.0	white	500	9037230000
H0.75/17	0.75	18	17.0	10.0	1.7		13.0	white	500	9037240000
H0.75/19S	0.75	18	19.0	12.0	1.4		21.0	white	500	9202820000
H0.75/24.5	0.75	18	24.0	18.0	1.7		21.0	white	500	9037250000
H1.0/15	1.00	17	15.0	8.0	2.0		12.0	yellow	500	9037260000
H1.0/15S	1.00	17	16.0	8.0	2.2		12.0	yellow	500	9018690000
H1.0/20	1.00	17	19.0	12.0	2.0		16.0	yellow	500	9037270000
H1.0/25.6	1.00	17	25.0	18.0	2.0		22.0	yellow	500	9037280000
H1.5/16	1.50	16	16.0	8.2	2.2		11.0	red	500	9037290000
H1.5/20	1.50	16	20.0	12.0	2.2		15.0	red	500	9037300000
H1.5/25.6	1.50	16	26.0	18.0	2.2		21.0	red	100	9037310000
H2.5/18.5D	2.50	14	19.0	10.0	2.8		13.0	blue	500	9037500000
H2.5/20.5D	2.50	14	21.0	12.0	2.8		15.0	blue	100	9037510000
H2.5/26.5D	2.50	14	27.0	18.0	2.8		21.0	blue	100	9037520000
H4.0/22D	4.00	12	22.0	12.0	3.5		15.0	grey	100	9037530000
H4.0/28D	4.00	12	28.0	18.0	3.5		21.0	grey	100	9037540000
H6.0/25	6.00	10	25.0	12.0	4.5		20.0	black	100	9037320000
H6.0/29	6.00	10	29.0	18.0	4.5		24.0	black	100	9037330000
H10.0/24S	10.00	7	24.0	12.0	6.5		17.0	ivory	100	9018860000
H10.0/26	10.00	7	24.0	12.0	5.8		17.0	ivory	100	9037340000
H10.0/30	10.00	7	30.0	18.0	5.8		23.0	ivory	100	9037350000
H10.0/30S	10.00	7	30.0	18.0	6.5		23.0	ivory	100	9018870000
H16.0/29	16.00	6	29.0	16.0	8.3		20.0	green	50	9037360000
H16.0/38	16.00	6	38.0	25.0	8.3		29.0	green	50	9037370000

Weidmüller colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/15	0.50	20	15.0	8.0	1.4		11.0	orange	500	9004440000
H0.75/15	0.75	18	15.0	8.0	1.7		11.0	white	500	9018510000
H0.75/17	0.75	18	17.0	10.0	1.7		13.0	white	500	9004900000
H1.0/15	1.00	17	15.0	8.0	2.0		12.0	yellow	500	9018530000
H1.0/15S	1.00	17	16.0	8.0	2.2		12.0	yellow	500	9018650000
H1.0/20	1.00	17	19.0	12.0	2.0		16.0	yellow	500	9004910000
H1.5/16	1.50	16	16.0	8.2	2.2		11.0	red	500	9004410000
H1.5/20	1.50	16	20.0	12.0	2.2		15.0	red	500	9004920000
H2.5/18.5D	2.50	14	19.0	10.0	2.8		13.0	blue	250	9004430000
H2.5/20.5D	2.50	14	21.0	12.0	2.8		15.0	blue	250	9004740000
H4.0/22D	4.00	12	22.0	12.0	3.5		15.0	grey	100	9004730000
H6.0/25	6.00	10	25.0	12.0	4.5		20.0	black	100	9004930000
H10.0/26	10.00	7	24.0	12.0	5.8		17.0	ivory	100	9004940000



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 2 No. 0.5 to 2 No. 16 mm² (2 No. AWG 20 to 2 No. AWG 6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

DIN colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/15D	0.50	20	15.0	8.0	1.4		11.0	○ white	500	9037380000
H0.5/16.5D	0.50	20	16.0	10.0	1.4		13.0	○ white	500	9037390000
H0.5/18.4D	0.50	20	19.0	12.0	1.4		15.0	○ white	500	9037400000
H0.75/15D	0.75	18	15.0	8.0	1.7		11.0	● grey	500	9037410000
H0.75/17D	0.75	18	17.0	10.0	1.7		13.0	● grey	500	9037420000
H0.75/19DS	0.75	18	19.0	12.0	1.4		21.0	● grey	500	9202830000
H0.75/24.5D	0.75	18	24.0	18.0	1.7		21.0	● grey	500	9037430000
H1.0/15D	1.00	17	16.0	8.0	2.2		12.0	● red	500	9037440000
H1.0/20D	1.00	17	19.0	12.0	2.0		16.0	● red	500	9037450000
H1.0/25.6D	1.00	17	25.0	18.0	2.0		22.0	● red	500	9037460000
H1.5/16D	1.50	16	16.0	8.0	2.2		11.0	● black	500	9037470000
H1.5/20D	1.50	16	20.0	12.0	2.2		15.0	● black	500	9037480000
H1.5/25.6D	1.50	16	26.0	18.0	2.2		21.0	● black	100	9037490000
H2.5/18.5D	2.50	14	19.0	10.0	2.8		13.0	● blue	500	9037500000
H2.5/20.5D	2.50	14	21.0	12.0	2.8		15.0	● blue	100	9037510000
H2.5/26.5D	2.50	14	27.0	18.0	2.8		21.0	● blue	100	9037520000
H4.0/22D	4.00	12	22.0	12.0	3.5		15.0	● grey	100	9037530000
H4.0/28D	4.00	12	28.0	18.0	3.5		21.0	● grey	100	9037540000
H6.0/25D	6.00	10	25.0	12.0	4.5		20.0	● yellow	100	9037550000
H6.0/29D	6.00	10	29.0	18.0	4.5		24.0	● yellow	100	9037560000
H10.0/24DS	10.00	7	24.0	12.0	6.5		17.0	● red	100	9018880000
H10.0/26D	10.00	7	24.0	12.0	5.8		17.0	● red	100	9037570000
H10.0/30D	10.00	7	30.0	18.0	5.8		23.0	● red	100	9037580000
H10.0/30DS	10.00	7	30.0	18.0	6.5		23.0	● red	100	9018890000
H16.0/29D	16.00	6	29.0	16.0	8.3		20.0	● blue	50	9037590000
H16.0/38D	16.00	6	38.0	25.0	8.3		29.0	● blue	50	9037600000

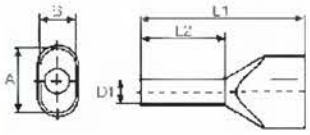
DIN colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/15D	0.50	20	15.0	8.0	1.4		11.0	○ white	500	9004780000
H0.75/15D	0.75	18	15.0	8.0	1.7		11.0	● grey	500	9018520000
H0.75/17D	0.75	18	17.0	10.0	1.7		13.0	● grey	500	9004770000
H1.0/15D	1.00	17	16.0	8.0	2.2		12.0	● red	500	9018540000
H1.0/20D	1.00	17	19.0	12.0	2.0		16.0	● red	500	9004760000
H1.5/16D	1.50	16	16.0	8.0	2.2		11.0	● black	500	9004420000
H1.5/20D	1.50	16	20.0	12.0	2.2		15.0	● black	500	9004750000
H2.5/18.5D	2.50	14	19.0	10.0	2.8		13.0	● blue	250	9004430000
H2.5/20.5D	2.50	14	21.0	12.0	2.8		15.0	● blue	250	9004740000
H4.0/22D	4.00	12	22.0	12.0	3.5		15.0	● grey	100	9004730000
H6.0/25D	6.00	10	25.0	12.0	4.5		20.0	● yellow	100	9004720000
H10.0/26D	10.00	7	24.0	12.0	5.8		17.0	● red	100	9004710000

Twin-wire end ferrules with plastic collar



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 2 No. 0.5 to 2 No. 16 mm² (2 No. AWG 20 to 2 No. AWG 6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

other colour code

packed loose

Ordering data

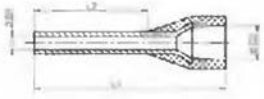
Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.5/15	0.50	20	15.0	8.0	1.4		11.0	orange	500	9037200000
H0.5/16.5	0.50	20	16.0	10.0	1.4		13.0	orange	500	9037210000
H0.5/18.5	0.50	20	19.0	12.0	1.4		15.0	orange	500	9037220000
H0.75/15T	0.75	18	15.0	8.0	1.7		11.0	light blue	500	9037610000
H0.75/17T	0.75	18	17.0	10.0	1.7		13.0	light blue	500	9037620000
H0.75/19TS	0.75	18	19.0	12.0	1.4		21.0	light blue	500	9202840000
H0.75/24.5T	0.75	18	24.0	18.0	1.7		21.0	light blue	500	9037630000
H1.0/15D	1.00	17	16.0	8.0	2.2		12.0	red	500	9037440000
H1.0/20D	1.00	17	19.0	12.0	2.0		16.0	red	500	9037450000
H1.0/25.6D	1.00	17	25.0	18.0	2.0		22.0	red	500	9037460000
H1.5/16D	1.50	16	16.0	8.0	2.2		11.0	black	500	9037470000
H1.5/20D	1.50	16	20.0	12.0	2.2		15.0	black	500	9037480000
H1.5/25.6D	1.50	16	26.0	18.0	2.2		21.0	black	100	9037490000
H2.5/18.5T	2.50	14	19.0	10.0	2.8		13.0	grey	500	9037640000
H2.5/20.5T	2.50	14	21.0	12.0	2.8		15.0	grey	100	9037650000
H2.5/26.5T	2.50	14	27.0	18.0	2.8		21.0	grey	100	9037660000
H4.0/22T	4.00	12	22.0	12.0	3.5		15.0	orange	100	9037670000
H4.0/28T	4.00	12	28.0	18.0	3.5		21.0	orange	100	9037680000
H6.0/25T	6.00	10	25.0	12.0	4.5		20.0	green	100	9037690000
H6.0/29T	6.00	10	29.0	18.0	4.5		24.0	green	100	9037700000
H10.0/26T	10.00	7	24.0	12.0	5.8		17.0	brown	100	9037710000
H10.0/30T	10.00	7	30.0	18.0	5.8		23.0	brown	100	9037720000
H16.0/19T	16.00	6	29.0	16.0	8.3		20.0	white	50	9037730000
H16.0/38T	16.00	6	38.0	25.0	8.3		29.0	white	50	9037740000

other colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.75/17T	0.75	18	17.0	10.0	1.7		13.0	light blue	500	9005140000
H1.0/15D	1.00	17	16.0	8.0	2.2		12.0	red	500	9018540000
H1.0/20D	1.00	17	19.0	12.0	2.0		16.0	red	500	9004760000
H1.5/16D	1.50	16	16.0	8.0	2.2		11.0	black	500	9004420000
H1.5/20D	1.50	16	20.0	12.0	2.2		15.0	black	500	9004750000
H2.5/18.5T	2.50	14	19.0	10.0	2.8		13.0	grey	250	9018580000
H2.5/20.5	2.50	14	21.0	12.0	2.8		15.0	grey	250	9005150000
H4.0/22T	4.00	12	22.0	12.0	3.5		15.0	orange	100	9018590000
H6.0/25T	6.00	10	25.0	12.0	4.5		20.0	green	100	9005160000
H10.0/26T	10.00	7	24.0	12.0	5.8		17.0	brown	100	9005170000



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 1.5 to 16 mm² (AWG 16-6)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H1 5/24 XS	1.50	16	24.0	18.0	1.8	6.8	20.0	● black	100	9202870000
H2 5/24 XS	2.50	14	24.0	18.0	2.3	7.6	20.0	● blue	100	9202880000

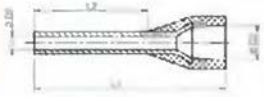
Weidmüller colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H1 5/17 5X	1.50	16	17.5	8.0	1.8	6.8	13.0	● black	100	9006590000
H1 5/19 5X	1.50	16	19.5	10.0	1.8	6.8	15.0	● black	100	9006630000
H2 5/17 5X	2.50	14	17.5	8.0	2.3	7.6	14.0	● blue	100	9006670000
H2 5/21 5X	2.50	14	21.5	12.0	2.3	7.6	17.0	● blue	100	9006710000
H4 0/19 5X	4.00	12	19.5	10.0	2.9	7.8	14.0	● grey	100	9006750000
H6.0/23 0X	6.00	10	23.0	12.0	3.6	8.1	17.0	● yellow	100	9006790000
H10.0/24 5X	10.00	7	24.0	12.0	4.6	9.6	17.0	● red	100	9006830000
H16 0/25 5X	16.00	6	25.5	12.0	6.0	11.9	26.0	● blue	100	9006870000

Wire end ferrules with plastic collar, special sizes



- Polypropylene conical cable entry
- Heat-resistant up to 105 °C
- Cable entry made from a not readily flammable material on request

For conductors from 0.5 to 2.5 mm² (AWG 20-14)
Tin-plated copper
Dimensional tolerances to DIN 46228 part 4

Weidmüller colour code

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0 5/14S	0.50	20	14.0	8.0	1.0	2.9	10.0	orange	500	9004560000
H0 5/14S	0.50	20	14.0	8.0	1.0	2.9	10.0	white	500	9004590000
H0 5/16DS	0.50	20	16.0	10.0	1.0	2.9	12.0	white	500	9202910000
H0 5/16S	0.50	20	16.0	10.0	1.0	2.9	12.0	orange	500	9202900000
H0,75/14S	0.75	18	14.0	8.0	1.2	3.4	10.0	white	500	9025960000
H0,75/14TS	0.75	18	14.0	8.0	1.2	3.4	10.0	light blue	500	9018550000
H1,0/14S	1.00	17	14.0	8.0	1.4	3.5	10.0	yellow	500	9025970000
H1 0/14S	1.00	17	14.0	8.0	1.4	3.5	10.0	red	500	9018560000
H1 5/12S	1.50	16	12.0	6.0	1.7	3.5	8.0	red	500	9025690000
H1 5/14S	1.50	16	14.0	8.0	1.7	3.9	10.0	red	500	9025680000
H1 5/14S	1.50	16	14.0	8.0	1.7	3.9	10.0	black	500	9025240000
H2 5/12DS	2.50	14	12.0	6.0	2.2	4.2	8.0	blue	500	9028490000
H2 5/12TS	2.50	14	12.0	6.0	2.2	4.2	8.0	grey	500	9036200000
H2 5/14S	2.50	14	14.0	8.0	2.2	4.0	10.0	blue	500	1333100000
H2 5/14TS	2.50	14	14.0	8.0	2.2	4.0	10.0	grey	500	9426770000
H2 5/16DS	2.50	14	16.0	10.0	2.2	4.2	13.0	blue	500	9036220000

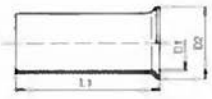
F

Weidmüller colour code

in multipack bag

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0 75/14S	0.75	18	14.0	8.0	1.2	3.4	10.0	white	500	9025700000
H1 0/14S	1.00	17	14.0	8.0	1.4	3.5	10.0	yellow	500	9025710000
H1 5/14DS	1.50	16	14.0	8.0	1.7	3.9	10.0	black	500	9028360000
H1 5/14S	1.50	16	14.0	8.0	1.7	3.9	10.0	red	500	9025720000



For conductors 0.25-185 mm² (AWG 24-350MCM)
Material: tin-plated copper
Dimensional tolerances to DIN 46228 part 1

without plastic collar

packed loose

Ordering data

Type	Cross-section, mm²	AWG	L1	L2	D1	D2	Stripping length	Colour	Qty.	Order No.
H0.25/5	0.25	24	5.0		0.7	1.6	5.0		1000	9018910000
H0.5/10	0.50	20	10.0		1.0	2.1	10.0		1000	9004050000
H0.5/6	0.50	20	6.0		1.0	2.1	6.0		1000	0282600000
H0.75/10	0.75	18	10.0		1.2	2.3	10.0		1000	0542500000
H0.75/6	0.75	18	6.0		1.2	2.3	6.0		1000	0282700000
H1.0/10	1.00	17	10.0		1.4	2.5	10.0		1000	0282800000
H1.0/6	1.00	17	6.0		1.4	2.5	6.0		1000	0372600000
H1.5/7	1.50	16	7.0		1.7	2.8	7.0		1000	0372700000
H1.5/10	1.50	16	10.0		1.7	2.8	10.0		1000	0186500000
H1.5/12	1.50	16	12.0		1.7	2.8	12.0		1000	9004060000
H1.5/18	1.50	16	18.0		1.7	2.8	18.0		1000	9004070000
H2.5/7	2.50	14	7.0		2.2	3.4	7.0		1000	0373000000
H2.5/10	2.50	14	10.0		2.2	3.4	10.0		1000	9004080000
H2.5/12	2.50	14	12.0		2.2	3.4	12.0		1000	0186100000
H2.5/18	2.50	14	18.0		2.2	3.4	18.0		1000	9004090000
H4/9	4.00	12	9.0		2.8	4.0	9.0		500	0373100000
H4.0/15	4.00	12	15.0		2.8	4.0	15.0		500	9004100000
H4.0/12	4.00	12	12.0		2.8	4.0	12.0		1000	0244100000
H4.0/18	4.00	12	18.0		2.8	4.0	18.0		500	9004110000
H6.0/10	6.00	10	10.0		3.5	4.7	10.0		500	9004120000
H6.0/12	6.00	10	12.0		3.5	4.7	12.0		500	0191900000
H6.0/15	6.00	10	15.0		3.5	4.7	15.0		500	0124700000
H6.0/18	6.00	10	18.0		3.5	4.7	18.0		500	9004130000
H10.0/12	10.00	7	12.0		4.5	5.8	12.0		500	0282500000
H10.0/15	10.00	7	15.0		4.5	5.8	15.0		500	0124800000
H10.0/18	10.00	7	18.0		4.5	5.8	18.0		500	0379300000
H16.0/12	16.00	6	12.0		5.8	7.5	12.0		500	0492500000
H16.0/15	16.00	6	15.0		5.8	7.5	15.0		500	0124900000
H16.0/18	16.00	6	18.0		5.8	7.5	18.0		100	0375200000
H16.0/25	16.00	6	25.0		5.8	7.5	25.0		100	9004150000
H16.0/32	16.00	6	32.0		5.8	7.5	32.0		100	9004160000
H25.0/15	25.00	3	15.0		7.3	9.5	15.0		250	0124400000
H25.0/18	25.00	3	18.0		7.3	9.5	18.0		100	0375300000
H25.0/25	25.00	3	25.0		7.3	9.5	25.0		250	9004170000
H25.0/32	25.00	3	32.0		7.3	9.5	32.0		100	9004180000
H35.0/18	35.00	2	18.0		8.3	11.0	18.0		100	0363900000
H35.0/25	35.00	2	25.0		8.3	11.0	25.0		100	9004190000
H35.0/30	35.00	2	30.0		8.3	11.0	30.0		100	9451000000
H35.0/32	35.00	2	32.0		8.3	11.0	32.0		100	9004200000
H50/18	50.00	1	18.0		10.3	13.0	18.0		100	9004210000
H50/25	50.00	1	25.0		10.3	13.0	25.0		100	9025830000
H50/32	50.00	1	32.0		10.3	13.0	32.0		100	9004220000
H70.0/25	70.00	2/0	25.0		12.5	15.0	25.0		50	9004230000
H70.0/32	70.00	2/0	32.0		12.5	15.0	32.0		50	9004240000
H95.0/25	95.00	3/0	25.0		14.5	17.0	25.0		50	9004250000
H95.0/32	95.00	3/0	32.0		14.5	17.0	32.0		50	9004260000
H120.0/32	120.00	4/0	32.0		16.5	19.0	32.0		25	9036240000
H150.0/32	150.00	300 MCM	32.0		18.5	21.0	32.0		25	9036250000
H185.0/32	185.00	350 MCM	32.0		20.0	23.5	32.0		25	9036260000

Insulated cable connectors, PVC, with conical cable entry

Ring cable connector

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIR 1.5M3 V	0.5 - 1.5	●	M 3	100	9200070000
LIR 1.5M3.5 V	0.5 - 1.5	●	M 3.5	100	9200080000
LIR 1.5M4 V	0.5 - 1.5	●	M 4	100	9200090000
LIR 1.5M5 V	0.5 - 1.5	●	M 5	100	9200100000
LIR 1.5M6 V	0.5 - 1.5	●	M 6	100	9200110000
LIR 1.5M8 V	0.5 - 1.5	●	M 8	100	9200120000
LIR 2.5M3 V	1.5 - 2.5	●	M 3	100	9200150000
LIR 2.5M3.5 V	1.5 - 2.6	●	M 3.5	100	9200160000
LIR 2.5M4 V	1.5 - 2.7	●	M 4	100	9200170000
LIR 2.5M5 V	1.5 - 2.8	●	M 5	100	9200180000
LIR 2.5M6 V	1.5 - 2.9	●	M 6	100	9200190000
LIR 2.5M8 V	1.5 - 2.10	●	M 8	100	9200200000
LIR 2.5M10 V	1.5 - 2.5	●	M 10	100	9200210000
LIR 6.0M4 V	4 - 6	●	M 4	100	9200230000
LIR 6M5 V	4 - 6	●	M 5	100	9200240000
LIR 6M6 V	4 - 6	●	M 6	100	9200250000
LIR 6M8 V	4 - 6	●	M 8	100	9200260000
LIR 6.0M10 V	4 - 6	●	M 10	100	9200270000

Fork-type cable connector

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIS 1.5M3 V	0.5 - 1.5	●	M 3	100	9200290000
LIS 1.5M3.5 V	0.5 - 1.5	●	M 3.5	100	9200300000
LIS 1.5M4 V	0.5 - 1.5	●	M 4	100	9200310000
LIS 1.5M5 V	0.5 - 1.5	●	M 5	100	9200320000
LIS 1.5M6 V	0.5 - 1.5	●	M 6	100	9200330000
LIS 2.5M3 V	1.5 - 2.5	●	M 3	100	9200350000
LIS 2.5M3.5 V	1.5 - 2.5	●	M 3.5	100	9200360000
LIS 2.5M4 V	1.5 - 2.5	●	M 4	100	9200370000
LIS 2.5M5 V	1.5 - 2.5	●	M 5	100	9200380000
LIS 2.5M6 V	1.5 - 2.5	●	M 6	100	9200390000
LIS 6.0M4 V	4 - 6	●	M 4	100	9200410000
LIS 6.0M5 V	4 - 6	●	M 5	100	9200420000
LIS 6.0M6 V	4 - 6	●	M 6	100	9200430000
LIS 6.0M8 V	4 - 6	●	M 8	100	9200440000
LIS 6.0M10 V	4 - 6	●	M 10	100	9200450000

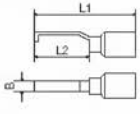
Pin-type cable connector

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIP 1.5R12 V	0.5 - 1.5	●	12.0	100	9200460000
LIP 2.5R12 V	1.5 - 2.5	●	12.0	100	9200470000
LIP 6.0R14 V	4 - 6	●	14.0	100	9200480000

Hook-type cable connector

to ESI 50-18 part 2



Ordering data

Type	Cross-section mm²	Colour	L1	L2	L3	Qty.	Order No.
HB 1-17	0.25 - 1.5	●	27.2	16.75	4.6	100	9036290000
HB 1-13	1.0 - 2.5	●	27.2	16.75	3.0	100	9036300000

Butt connector

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIB 1.5B25 VF	0.5 - 1.5	●	24.5	100	9200490000
LIB 2.5B25 VF	1.5 - 2.5	●	24.5	100	9200500000
LIB 6.0B26 VF	4 - 6	●	26.0	100	9200510000

Flat blade receptacles

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIF 1.5F288 R	0.5 - 1.5	●	2.8 x 0.8 mm	100	9200620000
LIF 1.5F488 R	0.5 - 1.5	●	4.8x0.8 mm	100	9200630000
LIF 1.5F638 R	0.5 - 1.5	●	6.3x0.8 mm	100	9200640000
LIF 2.5F488 R	1.5 - 2.5	●	4.8x0.8 mm	100	9200650000
LIF 2.5F638 R	1.5 - 2.5	●	6.3x0.8 mm	100	9200660000
LIF 6.0F638 R	4 - 6	●	6.3x0.8 mm	100	9200670000

Flat blade connector

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIF 1.5M638 R	0.5 - 1.5	●	6.3x0.8 mm	100	9200680000
LIF 2.5M638 R	1.5 - 2.5	●	6.3x0.8 mm	100	9200690000
LIF 6.0M638 R	4 - 6	●	6.3x0.8 mm	100	9200800000

Flat blade receptacles, piggy-back

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIF 1.5T638 R	0.5 - 1.5	●	6.3x0.8 mm	100	9200610000
LIF 2.5T638 R	1.5 - 2.5	●	6.3x0.8 mm	100	9200620000
LIF 6.0T638 R	4 - 6	●	6.3x0.8 mm	100	9200630000

Flat blade receptacles, full insulation

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LIF 1.5F638 RF	0.5 - 1.5	●	6.3 x 0.8 mm	100	9200640000
LIF 2.5F638 RF	1.5 - 2.5	●	6.3 x 0.8 mm	100	9200650000
LIF 6.0F638 RF	4 - 6	●	6.3 x 0.8 mm	100	9200660000

Insulated cable connectors, PVC, with conical cable entry

Round plug

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LID 1.5M4 R	0.5 - 1.5	●	Ø4 mm	100	9200670000
LID 2.5M5 R	1.5 - 2.5	●	Ø5 mm	100	9200680000
LID 6.0M5 R	4 - 6	●	Ø5 mm	100	9200690000

Sockets for round plugs

with copper sleeve

Ordering data

Type	Cross-section, mm²	Colour	Dimensions	Qty.	Order No.
LID 1.5F4 RF	0.5 - 1.5	●	Ø4 mm	100	9200700000
LID 2.5F5 RF	1.5 - 2.5	●	Ø5 mm	100	9200710000
LID 6.0F5 RF	4 - 6	●	Ø5 mm	100	9200720000

Components for installations

Components for installations

Terminals for building installations	G.2
Junction box terminals D-Series	G.3
Lighting terminals D-Pack / D-Lux	G.4
Packs	G.5
Sets	G.6
Eurostrips D-Strip	G.7

Terminals for building installations

Junction box terminals

- Suitable for rigid and stranded conductors (up to 7 strands)
- Connecting: strip conductor and push into terminal opening – finished!
- Disconnecting: twist end of conductor and terminal in opposite directions and simultaneously pull apart

Lighting terminals

- Installation side is suitable for two rigid conductors so that the line is ready for a further loop
- Lighting side is suitable for a flexible conductor for connecting the light fitting
- Strip rigid conductors and insert into contact openings. Strip flexible conductor and open the clamping spring by squeezing the sides of the terminal. Insert the conductor and release the pressure on the sides

Eurostrips

- Suitable for rigid and flexible conductors
- The 12-pole strip is easily cut into smaller pieces with the appropriate number of poles

Junction box terminals D-Series

PUSH IN

D-Series
Installation terminals without screws

- Conductors can be removed again by twisting and pulling.
- When using aluminium conductors, we recommend using Alu-Top 30 contact paste.
- Opening for voltage tester.
- Slots on the underside for specifying the necessary stripping length.
- For connecting solid and stranded copper conductors (7 strands) with Push In technology.

Technical data

Material		
housing	Polyamide PA 66, light grey RAL 7035	
current bar	Coated electrolytic copper	
Connected load	**EN 60998**	**for aluminium conductors [1]**
D1.5/2.5	450 V / 25 A	450 V / 16 A
D4.0	450 V / 35 A	450 V / 22 A
Clamping range	**EN 60998**	**UL 486C**
D1.5/2.5	0.75 ... 2.5 mm² solid	AWG 18/1 - AWG 14/1
D1.5/2.5	1.5 ... 2.5 mm² flexible (7-strand)	
D4.0	1.5 ... 4.0 mm² solid	AWG 16/1 - 12/1
D4.0	1.5 ... 4.0 mm² flexible (7-strand)	AWG 12/7
Temperature range		
when using copper conductors	–40°C ... +100°C	
when using aluminium conductors [1]	–40°C ... +60°C	
temperature limit of insulating material	to UL 130°C	
Approvals		

[1] in conjunction with Alu-Top 30 contact paste

Conductor diameter/Clamping points

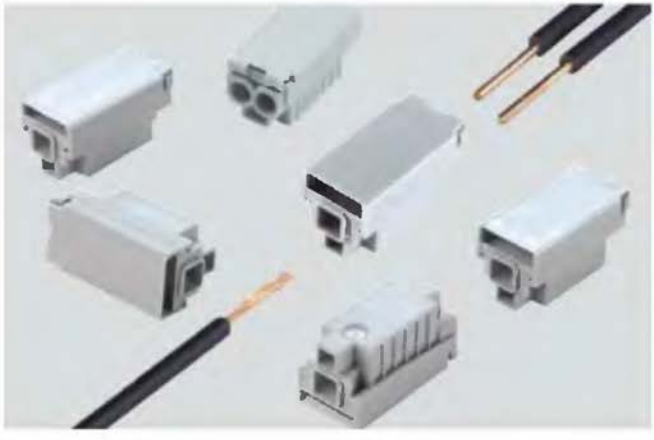
	2 clamping points	3 clamping points	4 clamping points	5 clamping points	8 clamping points
0.75 mm² – 2.5 mm²	X	X	X	X	X
1.5 mm² – 4.0 mm²		X			

Ordering data

Accessories	Qty	Order No.
Alu-Top 30 (contact paste)	5	1778260000
Bag of samples	1	1804420000

Lighting terminals D-Pack / D-Lux

PUSH IN



- Quick, simple and secure installation of light fittings.
- Detachable connection, no tools needed.
- Two solid conductors connected on the installation side.
- One flexible conductor connected on the lighting side.
- Spring contact makes screws unnecessary
- Opening for voltage tester.
- Minimum space requirement.

Strip solid conductors 8-9 mm and insert into connector.

Strip flexible conductor 8-9 mm, squeeze sides of connector together and insert conductor.

Technical data

Material		
housing	Polyamide PA 66, light grey RAL 7035	
current bar	Tin-plated electrolytic copper	
Clamping range	**EN 60998**	**UL 486C**
installation side	2 x 1.0 – 2.5 mm² solid copper conductor	AWG 17 – 14
lighting side	1 x 0.5 – 2.5 mm² flexible copper conductor	AWG 20 – 14
Connected load		
rated current/voltage	24 A / 400 V	20 A / 600 V
rated impulse withstand voltage	4 kV	
pollution severity	2	
Temperature range		
continuous operating temperature	+105°C to UL 746B	
ambient temperature	–40°C ... +60°C	
Approvals		

Packs

The D-Packs for small jobs

Packed in bag	Clamping points	Qty	Order No.
D-Pack D 1.5/2.5-2	2	25	1781450000
D-Pack D 1.5/2.5-3	3	25	1781460000
D-Pack D 1.5/2.5-4	4	25	1781470000
D-Pack D 1.5/2.5-5	5	25	1781480000
D-Pack D 1.5/2.5-8	8	20	1781490000
D-Pack D 4/0-3	3	20	1781500000
D-Pack D Lux2/1	2	25	1791260000

The Standard Packs for everyday jobs

Packed in box	Clamping points	Qty	Order No.
D 1.5/2.5-2	2	100	1746420000
D 1.5/2.5-3	3	100	1746430000
D 1.5/2.5-4	4	100	1746440000
D 1.5/2.5-5	5	100	1746450000
D 1.5/2.5-8	8	50	1746460000
D 4/0-3	3	50	1746470000
D Lux2/1	2	100	1774270000

The BigPacks with the big price advantage

Packed in box	Clamping points	Qty	Order No.
D 1.5/2.5-2 BigPack	2	1000	1858110000
D 1.5/2.5-3 BigPack	3	1000	1858060000
D 1.5/2.5-4 BigPack	4	1000	1858070000
D 1.5/2.5-5 BigPack	5	1000	1858080000
D 1.5/2.5-8 BigPack	8	500	1858090000
D 4/0-3 BigPack	3	500	1858100000
D Lux2/1 BigPack	2	1000	1858050000

Sets

Insta-Set D plus Clamping

Contents	Clamping points	Order No.
1 stripax® wire stripper		
200 junction box terminals D 1.5 / 2.5-3	3	
400 junction box terminals D 1.5 / 2.5-5	5	1904990000

Insta-Set D plus VDE SDI screwdriver

Contents	Clamping points	Order No.
1 Stripper round top sheathing stripper		
1 SDI 0.4 x 2.5 x 75 insulated screwdriver		
1 SDI 0.8 x 4.0 x 100 insulated screwdriver		
1 SDIK PZ 1 insulated screwdriver		
1 SDIK PZ 2 insulated screwdriver		
200 junction box terminals D 1.5 / 2.5-3	3	
400 junction box terminals D 1.5 / 2.5-5	5	1905010000

Insta-Set D plus SD screwdriver

Contents	Clamping points	Order No.
1 Stripper round top sheathing stripper		
1 SD 0.4 x 2.5 x 75 screwdriver		
1 SD 0.8 x 4.0 x 100 screwdriver		
1 SDK PZ 1 screwdriver		
1 SDK PZ 2 screwdriver		
200 junction box terminals D 1.5 / 2.5-3	3	
400 junction box terminals D 1.5 / 2.5-5	5	1905020000

Insta-Set D plus VDE pliers

Contents	Clamping points	Order No.
1 KBZ 160 combination pliers		
1 SE HD 140 side-cutting pliers		
1 AIZ 160 wire stripper		
400 junction box terminals D 1.5 / 2.5-5	5	
100 junction box terminals D 1.5 / 2.5-8	8	1908440000

Eurostrips
D-Strip

- 12-pole terminal strip for conductor cross-sections up to 25 mm²
- Available with polyamide or polyethylene insulation.
- Captive screws, supplied open.
- Also available with wire guard.
- Various international approvals.

Technical data

Material	Polyamide (natural)	Polyethylene (black or white)
inserts	brass, passivated	Brass
screws	steel, passivated	steel, passivated
Rated voltage		
D-Strip 2.5-4/12 to D-Strip 16/12	450 V	450 V
D-Strip 25/12	750 V	750 V
Temperature range		
max. ambient temperature	+85°C / +110°C *)	+85°C
max. test temperature to EN 60998	+115°C / +140°C *)	
Approvals		

*) for D-Strip 16/12 PA and D-Strip 25/12 PA *) polyamide versions only

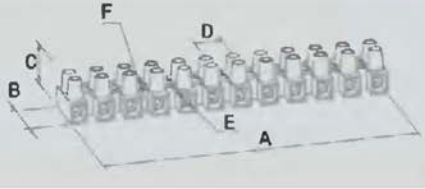
Ordering data

Polyamide, natural	Nom. cross-section mm²	Max. cross-section mm²	Qty	Order No.
D-Strip 2.5-4/12 PA	2.5	4.0	10	1837100000
D-Strip 4-6/12 PA	4.0	6.0	10	1837130000
D-Strip 6-10/12 PA	6.0	10.0	10	1837160000
D-Strip 16/12 PA	16.0	16.0	10	1837190000
D-Strip 25/12 PA	25.0	25.0	10	1837220000
with wire guard				
D-Strip 2.5/12 PA WP	2.5	2.5	10	1866640000
D-Strip 4/12 PA WP	4.0	4.0	10	1866650000
D-Strip 6/12 PA WP	6.0	6.0	10	1866660000
D-Strip 16/12 PA WP	16.0	16.0	10	1866670000
Polyethylene, black				
D-Strip 2.5-4/12 PE B	2.5	4.0	10	1837110000
D-Strip 4-6/12 PE B	4.0	6.0	10	1837140000
D-Strip 6-10/12 PE B	6.0	10.0	10	1837170000
D-Strip 16/12 PE B	16.0	16.0	10	1837200000
D-Strip 25/12 PE B	25.0	25.0	10	1837230000
Polyethylene, white				
D-Strip 2.5-4/12 PE W	2.5	4.0	10	1837120000
D-Strip 4-6/12 PE W	4.0	6.0	10	1837150000
D-Strip 6-10/12 PE W	6.0	10.0	10	1837180000
D-Strip 16/12 PE W	16.0	16.0	10	1837210000
D-Strip 25/12 PE W	25.0	25.0	10	1837240000

Dimensions in mm

Type	A	B	C	D	E	F
D-Strip 2.5-4...	93.6	16.2	13.4	8.0	ø 2.8	ø 2.8
D-Strip 4-6...	116.4	18.6	15.0	10.0	ø 3.6	ø 3.6
D-Strip 6-10...	133.6	22.2	17.3	11.5	ø 4.2	ø 3.6
D-Strip 16...	175.0	25.2	20.9	15.0	ø 5.8	ø 5.2
D-Strip 25...	212.0*)	36.0	29.6	18.0	ø 7.5	ø 4.0

*) Polyamide A = 208 mm



Weidmüller Service

Weidmüller Service	Bespoke services: best advice, best solutions	V.2
	Overview of services	V.3
	Digital support: RailDesigner®, M-Print® PRO, Online catalogue	V.5

Best advice, best solutions

Services tailored to customers' needs

Service – at Weidmüller that means diversity. And it also means that you can take advantage of our comprehensive resources:

- Production of terminal rails and enclosures fitted with our modular terminals and other modules, and prewired
- Fitting of cable glands and the marking of terminals, conductors and enclosures according to your specification
- Competence in the processing of enclosure materials such as aluminium, plastics, sheet steel and stainless steel
- Flexibility in the product selection: besides Weidmüller products we can also integrate yours and even those of other manufacturers

This range of services enables Weidmüller to act as an external service provider to increase your capacities. And demanding standards guarantee a high level of quality every time.

The best advice for the best solutions

The start of a good partnership is always characterised by an intensive exchange of information to define the respective positions. Our contribution focuses on detailed advice with respect to:

- Optimum choice of products
- Practical pre-assembly
- Integration into your systems
- Consideration of requirements such as certification, classes of protection or hazard protection as required by your industry

That avoids mistakes right from the start – totally in keeping with the effective handling of the project, totally in keeping with perfect results. Our experience helps you create the foundation for good business and satisfied customers.

Overview of services

Production of terminal rails

Terminal rails are manufactured from steel, stainless steel, aluminium or copper to suit the diverse applications. And we can produce terminal rails with elongated or round holes, or in other forms to suit your requirements exactly. Terminal rails are fitted with modular terminals or electronic products, prewired and marked according to your specification.

The benefits for you

- No need to procure individual components
- No need to mount individual components
- No unnecessary stocks
- Just one order number for your pre-assembled terminal rail
- Constant high quality

Production of enclosures

High-tech brings benefits. Our state-of-the-art production methods open up new options for you:

- Inclusion of holes and threads in the enclosure
- Enclosure cover with hinges and other accessories if required
- More complex machining such as milling of contours or reaming of holes
- Special paint finishes: To protect against the effects of the weather, your enclosures can be painted individually. Simply specify the colour and printing you require. Special paint finishes and powder coating are also possible.

Enclosures are adapted to suit the intended application exactly. You get a tailored, individual product and the quality is guaranteed by our adherence to demanding standards.

The benefits for you

- Enclosures in various sizes and materials
- Inclusion of optional accessories such as hinges and locks
- Complex machining processes and special packaging

Cable ducts and individual accessories

In some electrical installations cable ducts can be used to improve clarity and operating safety. If required, we can integrate such cable ducts for individual switchgear such as contactors, automatic devices or control equipment. That guarantees better clarity.

The benefits for you

- Large range of different cable entries
- Enhanced flexibility thanks to the ordering of products ready to connect
- Space-, time- and cost-saving installation thanks to the Cabtite cable entry system

Overview of services

Heavy-duty connectors

To help ensure that your switchgear cabinets and installations are put into operation without delay, Weidmüller can supply prefabricated components such as heavy-duty connectors. These are assembled and prewired according to your specification and are supplied ready to connect. If required, we can also supply the finished enclosure with the heavy-duty connectors already integrated. The ConCept heavy-duty connector system from Weidmüller renders possible a whole series of applications. This modular system enables the flexible combination with different modules, crimping and cabling – all-inclusive if required.

The benefits for you

- Special requirements with respect to font, number of characters, material and printing durability for your markers
- Prewiring of connectors saves you valuable installation time
- Modular connector system can be ordered pre-crimped

Marking

Whether multi-line labelling, white or coloured terminal markers or group designations, the Weidmüller range can cater for every marking task – fast, clear and according to European standards. However, we can also supply you with preprinted markers to match your specification. Simply tell us the type of marker you require, the colour, the printing sequence and the text, and we'll look after the rest. If required, we can also install the finished markers during assembly.

Equipment labelling

Device markers are essential for marking your electrical installations. Therefore, Weidmüller can supply rating plates designed specially for your application. A wide range of different shapes, colours, materials and fixings – riveted, screwed or bonded with adhesive – are available from which to choose. And a whole range of different fonts mean that we can handle every request.

Integration of special accessories

In some cases it is necessary to integrate special accessories. This is no problem for Weidmüller because we can integrate buttons, switches, warning lamps, plugs or couplings – all properly planned, fitted, connected and tested. And that includes the products of other manufacturers as well as our own. We shall also be happy to advise you on standard accessories such as hinges.

The benefits for you

- Rating plates in various materials
- Individual printing or laser engraving
- Equipment and accessories to your specification

Digital support

RailDesigner®

RailDesigner® is a Weidmüller program for planning, assembling and ordering both terminal rails and enclosures. And it's so easy to use:

- Fast acquisition of all necessary data
- Realistic-looking graphic user interface and ideal conditions for simple assembly of your terminal rails and enclosures with all the necessary components
- Simply clip on all the products you need and add accessories such as markers or cross-connectors
- To configure an individual enclosure, simply choose an enclosure type from a standard range and then add holes and other accessories to suit your requirements

These parameters form the foundation for a perfect software assistant. You can view the enclosure on the screen complete with all the configured products, and print out a hardcopy, or simply send the file to Weidmüller via e-mail in the form of an order. RailDesigner® provides you with optimum planning security and clarity during the design phase. And hence simplifies the ordering process enormously.

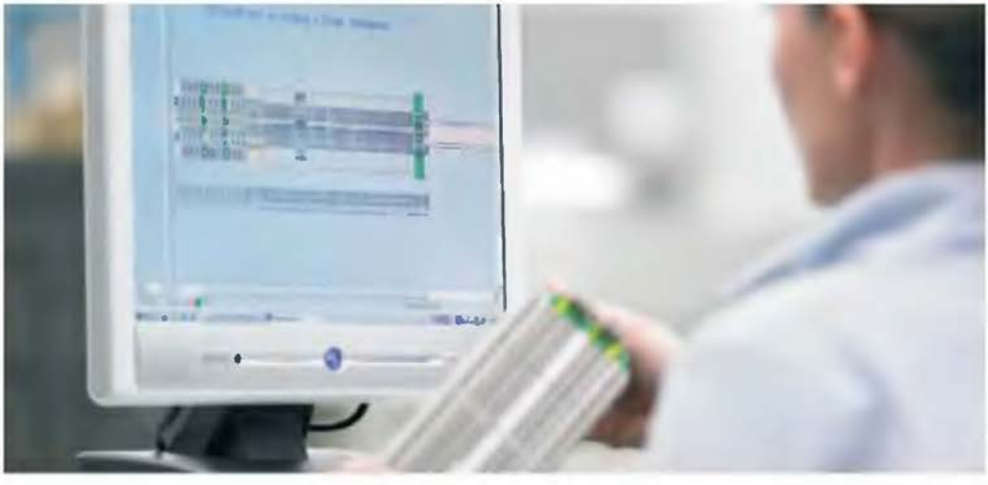
M-Print® PRO label designer

The comprehensive range of Weidmüller services includes the M-Print® PRO software.
This is a professional-standard, Windows®-based program for printing and ordering labels and markers that is coordinated with our current printing systems and marking materials.

M-Print® PRO enables you to design your labelling materials professionally and quickly. Texts, borders, lines, graphics, barcodes, serial numbers and photographs are all possible. The interface to RailDesigner® or your CAE system enables the transfer of all your configured data.

Online catalogue

If you have questions about the specifications and details of our products, perhaps even outside normal business hours, then our online catalogue at **http://catalog.weidmueller.com** – open 24 hours a day, 365 days a year – is the perfect source of information. Besides product features and part numbers, it contains extensive additional information on all product groups. And for further information, offers and your personal contact, simply consult the Weidmüller website at **www.weidmueller.com**.



Technical appendix

Technical appendix

Connection systems	W.2
Definitions of the various types	W.4
Materials – Insulating materials	W.6
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Standards, directives, terminology, CE marking	W.10
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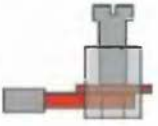
The connection systems – it's your choice

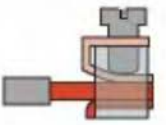


Clamping yoke

The **Weidmüller clamping yoke system** is an optimum combination of the specific properties of steel and copper. This clamping yoke system has proved its worth in billions of Weidmüller products over many decades. Both the clamping yoke and the clamping screw are made from hardened steel. This clamping yoke arrangement generates the necessary contact force. The clamping yoke presses the incoming conductor against a current bar made of copper or high-quality brass. The hardened Weidmüller clamping yoke ensures a gas-tight, vibration-resistant connection between conductor and current bar.

TOP connection

The Weidmüller **TOP connection system** ensures that the conductor can be inserted and the clamping screw tightened from the same direction. Such an arrangement eases the wiring work in certain installations, e.g. when there is little space at the sides in terminal boxes. The TOP connection system combines the specific properties of steel and copper. The hardened steel lever presses the conductor directly against a current bar made of copper or high-quality brass. The high contact force guarantees a gas-tight connection between conductor and current bar.



Leaf clamp connection

Weidmüller's patented **leaf clamp connection system** is a screw connection system for large conductor cross-sections. The insertion of large conductors into the clamping point is made easier here by the fact that the clamping unit can be removed first. The conductor can then be placed directly on the current bar before re-inserting the clamping unit and tightening the screw to grip the conductor.

Tension clamp connection

The **Weidmüller tension clamp system** functions similarly to the tried-and-tested clamping yoke. Here again, the mechanical and electrical functions are kept separate. The spring made from high-quality rustproof and acid-proof steel pulls the conductor against the tin-plated copper current bar. Treating the copper in this way ensures low contact resistance and high corrosion resistance. The compensating effect of the spring ensures a secure contact for the lifetime of the terminal.

IDC system

The **IDC** (Insulation Displacement Connection) **system** is a type of connection for copper conductors that does not require the conductor to be prepared in any way – so no stripping and no crimping. When connecting the conductor, the insulation of the conductor is penetrated and an electrically conductive contact between conductor and current bar produced at the same time.

The Weidmüller IDC principle, like Weidmüller's other types of connection, again keeps mechanical and electrical functions separate.

A spring made from rustproof stainless steel presses the current bar onto the conductor and therefore guarantees a low contact resistance and a gas-tight, vibration-resistant connection.

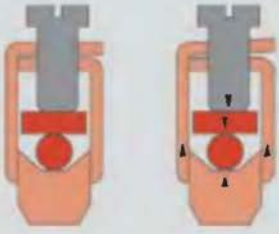
Push In system

In the **Push In system** the stripped solid conductor is simply inserted into the clamping point as far as it will go. And that completes the connection! No tools are required and the result is a reliable, vibration-resistant and gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonic-welded conductors can be connected without any problems. A stainless steel spring, which is fitted in a separate housing, guarantees a high contact force between the conductor and the current bar (tin-plated copper). The conductor pull-out force for this system is even higher than that for the tension clamp system. Spring stop plus conductor stop in a steel housing ensure optimum connection conditions and a guide for the screwdriver needed to detach the conductor.

The principle of vibration resistance

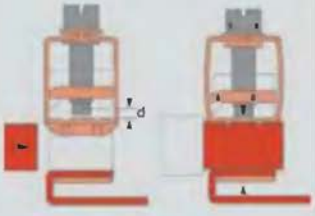
Clamping yoke connection

As the clamping screw is tightened, the ensuing force causes the upper threaded part to spring back and exert a lock-nut effect on the screw.
The Weidmüller clamping yoke system is vibration-resistant. The relaxation of the conductor is compensated for by the elastic behaviour of the Weidmüller clamping yoke.
It is therefore not necessary to retighten the clamping screw.



Leaf clamp connection

The distance "d" between the shaft of the clamping screw and the leaf clamp causes elastic deformation of the spring as the screw is tightened. The vibration resistance depends on the magnitude of the spring force of the leaf clamp, and this force also compensates for relaxation phenomena in the conductor.
It is therefore not necessary to retighten the clamping screw.

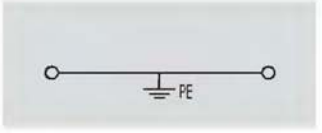


TOP connection

Like with the clamping yoke, the force exerted by the steel lever as the screw is tightened forces apart the two threaded parts of the TOP connection. This exerts a locking effect on the screw and guarantees excellent vibration resistance.

Definitions of the various types

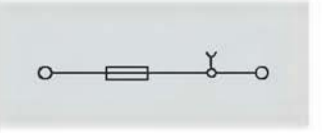
PE terminals



A PE terminal is a component with one or several clamping points for connecting and/or branching PE conductors (PE and PEN conductors) with a conductive connection to their mountings. Partly insulated PE terminals are insulated from adjacent live parts of terminals; the partial insulation is coloured green/yellow.

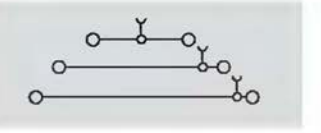
Applications (IEC 60947-7-2)
This standard applies to PE terminals with PE function up to 120 mm² and to PE terminals with PEN function for sizes upwards of 10 mm² with clamping points with or without screws for connecting round copper conductors with a cross-section between 0.2 and 120 mm² (AWG 24/250 kcmil) for circuits up to 1000 Vac 1000 Hz or up to 1500 Vdc. PE terminals are used to produce the electrical and mechanical connections between copper conductors and the mounting.

Fuse terminals



Fuse terminals consist of a terminal base and a cartridge fuse holder. In the case of fuse terminals for low-voltage cartridge fuses (D-system), the technical data are defined by IEC 60947-7-3 in conjunction with VDE 0636 part 301.
In the case of fuse terminals for device protection cartridge fuses, the technical data are defined by IEC 60947-7-3, which covers the range of applications of such products.
Fuse terminals for protecting devices are rated for a certain maximum power loss on the basis of IEC 60127-2, which covers G-type cartridge fuses.
The product pages contain details of the maximum power loss for individual or group arrangements for short-circuit and/or overload protection.

Multi-level distribution terminals

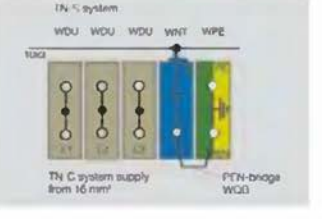


A multi-level distribution terminal is a unit with clamping points for connecting and/or linking phase, neutral and PE conductors to their mountings with a conductive PE connection. They have several connection levels, all isolated from each other.

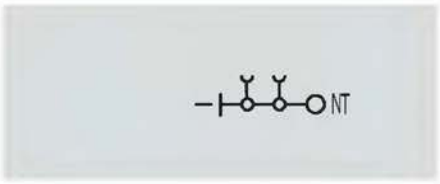
Applications IEC 60947-7-1 / IEC 60947-7-2
DIN VDE 0611-4 (partly)
These standards apply to multi-level distribution terminals with clamping points with/without screws for connecting or linking solid, stranded or flexible copper conductors. In distribution terminals, phase conductor and/or N and PE conductor connections are all realised in a compact space.
The N-conductor can be disconnected for insulation measurements; it is not used for disconnecting or switching.

PEN function
According to IEC 60947-7-2, only copper terminal rails may be used for the PEN function. Steel terminal rails may not be used.

Use of TS 35 x 15
In order to comply with the current-carrying ability required by IEC 60947-7-2, the TS 35 x 15 terminal rail must be used for PE terminals with a rated cross-section of 16 mm² and upwards.



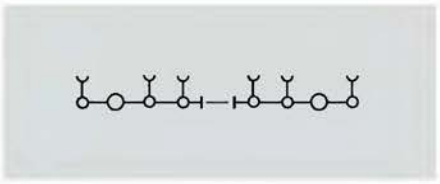
N-conductor disconnect terminals



An N-conductor disconnect terminal is a unit with clamping points for connecting and/or linking neutral conductors but with a detachable connection. These terminals can be fitted on next to each other to form terminal strips.

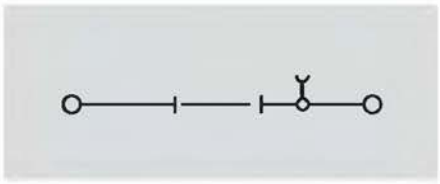
Rated voltages
IEC 60947-7-1
IEC 60947-1
The rated voltage given conforms to IEC 60947-7-1. It is the rated insulation voltage and is defined according to IEC 60947-1 or IEC 60947-7-1.
400 V applies to
phase conductor–phase conductor
250 V applies to
phase conductor–N-conductor
phase conductor–PE conductor
N-conductor–PE conductor

Disconnect test terminals



Disconnect test terminals are used for disconnecting circuits temporarily for measuring purposes in the off-load state. The rated voltage of the disconnect test terminal is the rated insulation voltage, and the insulation tests and creepage distances refer to this. The voltage is defined according to IEC 60664-1 and is marked on the terminal.
The opened disconnect point is dimensioned according to the associated rated impulse withstand voltage.

Disconnect terminals



Disconnect terminals are used for operational disconnection of circuits in the off-load state.
The rated voltage of the disconnect terminals is the rated insulation voltage, and the insulation tests and creepage distances refer to this. The voltage is defined according to IEC 60664-1.
The opened disconnect point is dimensioned according to the associated rated impulse withstand voltage for devices with disconnect function to DIN VDE 0100-537 and IEC 60947-7-1.
The disconnectors of the disconnect terminals are rated for off-load operation (service category AC20 to IEC 60947-1) and are used to isolate an installation or part thereof.

Insulating materials

In order to do justice to the most diverse requirements placed on our products, it is necessary to use different insulating materials tailored to the needs of the applications. None of the insulating materials used by Weidmüller contain any hazardous substances. Above all, the use of cadium-free materials is very high on our agenda. Furthermore, our insulating materials contain neither pigments based on heavy metals nor any substances that lead to the formation of dioxin or furan.

		Ceramics	Thermosetting plastics	
Plastic Abbreviation		**Ceramics**	**Gemin KrG**	**Epoxy resin EP**
		Ceramics are excellent materials for electrical engineering because they fulfil all the requirements. Ceramics are resistant to heat, fluids and sparks, and are tested for leakage currents. Thanks to their high mechanical strength, low losses and good heat resistance, these materials have a very high chemical stability and are preferred because of their very low wear.	Thermosetting plastics exhibit high dimensional stability, low water absorption, extremely good tracking resistance and excellent fire resistance. The continuous operating temperatures are higher than those of thermoplastics. At higher thermal loads the deformation resistance of thermosetting plastics is better than that of thermoplastics. The disadvantage in comparison with thermoplastics is the reduced flexibility of thermosetting plastics.	
		Insulating material	Melamine resin moulding compound, MF type 156 (DIN EN ISO 14 528) inorganic filler	Epoxy resin with inorganic filler
Colour		white	medium yellow	black
Description		highest continuous operating temperature high fire resistance fluids-repellent high tracking resistance inherently flame-retardant	high continuous operating temperature high fire resistance high tracking resistance inherently flame-retardant	very good electrical properties very high continuous operating temperature resistant to high-energy radiation halogen- and phosphor-free flame-retardant agent
Properties				
Specific volume resistance to IEC 93	Ω x cm	–	10^{11}	10^{14}
Electric strength to IEC 243-1	kV / mm	>10	10	160
Tracking resistance (A) to IEC 112	CTI	≥ 600	≥ 600	≥ 600
Upper max. permissible temperature	°C	250	130	160
Lower max. permissible temperature, static	°C	–60	–60	–60
Flamability class to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0
Fire behaviour to railway standard				

Thermoplastics

Wemid	Polyamide PA	Polyamide PG GF	Polybutylene-terephthalate PBT	Polycarbonate PC
Wemid is a modified thermoplastic whose properties have been specially devised to suit the requirements of Weidmüller connectors. The advantages in comparison with PA are the better fire protection and the higher continuous operating temperature. Wemid fulfils the strict requirements placed on applications for railway rolling stock to NF F 16-101.	**Polyamid (PA)** is one of the most common commercial plastics. The advantages of this material are its very good electrical and mechanical properties, its flexibility and resistance to breakage. Furthermore, owing to its chemical structure PA achieves good fire resistance even without the use of flame-retardant agents.	**Glass fibre-reinforced polyamide (PG GF)** offers excellent dimensional stability and very good mechanical properties. That makes this material ideal for use in end brackets. Compared with unreinforced PA, this material can achieve UL 94 flammability class HB.	**This thermoplastic polyester (PBT)** offers excellent dimensional stability (and is therefore ideal for plug-in connectors) and a high continuous operation temperature. But the tracking resistance is lower than other insulating materials.	
special Weidmüller insulating material	insulating material	insulating material	with or without glass fibre reinforcement depending on application	with or without glass fibre reinforcement depending on application
dark beige	beige	beige	orange	grey
higher continuous operating temperature improved fire resistance halogen- and phosphor-free flame-retardant agent low smoke development in fire certified for railway applications to NF F 16-101	flexible, virtually unbreakable good electrical and mechanical properties self-extinguishing behaviour	excellent dimensional stability very good mechanical properties	high dimensional stability good electrical and mechanical properties flame-retardant substances do not lead to the formation of dioxin or furan	high dimensional stability high continuous operating temperature high electrical insulation capacity halogen-free flame-retardant agent
10^{12}	10^{12}	10^{12}	10^{13}	10^{16}
25	30	30	28	≥ 30
600	600	500	200	≥ 175
120	100	100	115 / 130	115 / 125
–50	–50	–50	–50	–50
V-0	V-2	HB	V-0	V-2 / V-0
I2 / F2 *)				I2 / F2
*) also certified to LUL E 1042				

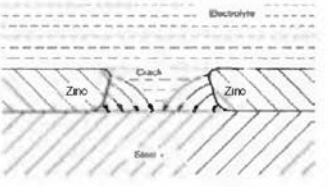
Metals

Only materials that have proved suitable for electrical engineering applications are used in Weidmüller products.
All materials are subjected to the rigorous quality control measures of a QM system certified to DIN EN ISO 9001.
Environmental compatibility plays a crucial role in the selection of materials.

The selection, processing and surface treatment of all the metals used by Weidmüller are carried out according to the latest technical standards.

Steels

Steel parts required to maintain the contact force permanently are electro-galvanised and treated with an additional passivation technique.
The surface protection conforms to the highest standards. Experience gained from laboratory tests has been incorporated into the design of the surface protection.
Zinc protects against corrosion for a long time even after the zinc coating has been partially damaged by scratches or pores. In the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel, which provides long-term protection for the parent metal.



Conductive materials

The current-carrying materials copper, brass and bronze are characterised by their high conductivity and good mechanical properties.
The surfaces are usually given a coating of tin, which creates an extremely good, "malleable" contact with a low contact resistance. Apart from ensuring consistently good electrical properties, the tin coating provides excellent protection against corrosion.
Solder connections are also given a coating of tin. In order to guarantee the long-term solderability (shelf life), brass parts are given an additional nickel coating as a diffusion barrier.
The nickel coating provides effective protection against the loss of zinc atoms from the brass.

Derating curve

The maximum current that a modular terminal can accommodate depends on:

- the temperature rise in the terminal
- the ambient temperature
- the cross-section of the conductor connected to the terminal

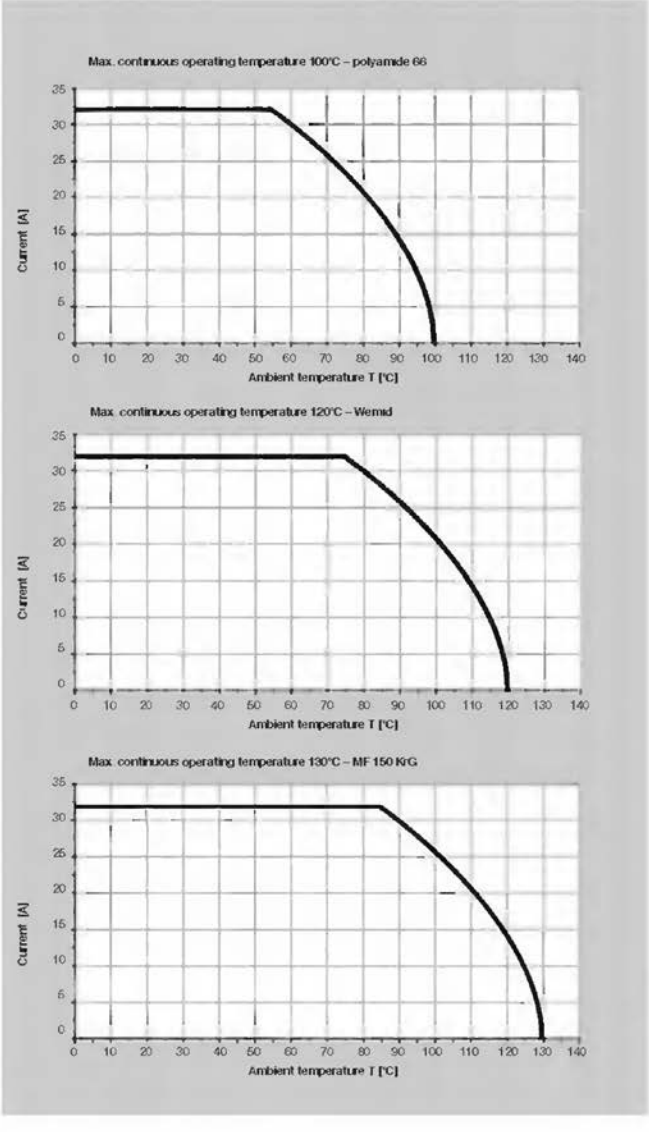
An upper limit temperature that may not be exceeded in continuous operation is specified for every Weidmüller modular terminal.
The continuous operating temperature depends on the insulating material used for the modular terminal. According to EN 60 947-7-1 the maximum permissible temperature rise of a modular terminal is 45 K.

The continuous operating temperature governed by the insulating material, reduced by the maximum permissible temperature rise in the terminal as given by EN 60 947-7-1, results in a maximum ambient temperature in which the modular terminal can be loaded with its rated current at least. The graphs on the right are typical current-temperature rise curves for a rated current of 32 A and the following three insulating materials:

- thermoplastic (polyamide 66)
- Wemid
- thermosetting plastic (MF 150 KrG)

Depending on the insulating material used, the rated current can be carried up to an ambient temperature of 55 °C for PA 66, 75 °C for the Weidmüller insulating material Wemid, or 85 °C for the thermosetting plastic insulating material (KrG). Above these temperature limits, the current should be reduced as shown on these graphs.

Derating curve



Standards, directives, terminology, CE marking

Modular terminals to VDE 0611-1

This standard was published in Germany in August 1992.
It corresponds with the following international standard (dating from 1989):
IEC 60947-7-1 Low-voltage switchgear and controlgear; Part 7: Ancillary equipment; Section one – terminal blocks for copper conductors.

CENELEC has ratified this standard at European level. Therefore, the standard is valid in the following countries:
Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.
In conjunction with this and having an overriding importance:
IEC 60947-1
Low-voltage switchgear and controlgear; Part 1: General Rules
EN 60947-1
VDE 0660 part 100
Low-voltage switchgear; Part 1: General provisions

Applications VDE 0611-1

(EN 60947-7-1)
(IEC 60947-7-1)
This standard specifies requirements for modular terminals with clamping points with or without screws which are primarily intended for industrial or similar applications and are mounted on a supporting rail that creates the electrical and mechanical connections between copper conductors. The standard is valid for modular terminals for connecting round copper conductors with a cross-section between 0.2 und 300 mm² (AWG 24/600 kcmil), for electric circuits up to 1000 V AC/1000 Hz or up to 1500 V DC.
Note:
This standard also serves as a guide for certain types of modular terminal, e.g. disconnect terminals, which are not covered by their own standards.

Modular terminal / Modular feed-through terminal

An insulating component that supports one or more clamping arrangements insulated from one another and which is designed to be fixed to a supporting rail.

Rated cross-section

The rated cross-section of a modular terminal is the size – as specified by the manufacturer – of the conductor cross-section that can be connected to the terminal, on which certain thermal, mechanical and electrical requirements are based, and which is intrinsic to the marking on the terminal.
The rated cross-section is selected from the following standard cross-sections:
0.2 - 0.5 - 0.75 - 1.0 - 1.5 - 2.5 - 4.0 - 6.0 - 10 - 16 - 25 - 35 - 50 - 70 - 95 - 120 - 150 - 240 - 300 mm².

The modular terminals possess a rated connection capacity that is at least two steps smaller than the rated cross-section. The conductors may be solid, stranded or flexible, if necessary with the ends of the conductors prepared for the connection. Verification of the rated cross-section is carried out with plug gauges to VDE 0660 part 100 table 7.

Rated current

Test currents to VDE 0611-1 are assigned to the rated cross-sections. There should be no unacceptable temperature rise in the terminal at these rated currents:

mm²	1.5	2.5	4.0	6.0
A	17.5	24	32	41
mm²	10	16	25	35
A	57	76	101	125
mm²	50	70	95	120
A	150	192	232	269
mm²	150	185	240	300
A	309	353	415	520

Rated voltage VDE 0611-1 / VDE 0660 part 100

The rated voltage of a modular terminal is the rated insulation voltage on which the insulation tests and creepage distances are based. They are determined according to DIN VDE 0110-1. The rated voltage is intrinsic to the marking on the terminal.

Rated impulse withstand voltage DIN VDE 0110-1 / VDE 0660 part 100

This is the peak value of a surge voltage to which the modular terminals can be subjected and on which the clearances to VDE 0660 part 100 or DIN VDE 0110-1 are based.

Pollution severity DIN VDE 0110-1 / VDE 0660 part 100

The pollution severity specifies the influence of solid, liquid or gaseous foreign matter that could reduce the electric strength or the specific surface resistance.
Pollution severity 3 has been specified for modular terminals for industrial applications: the occurrence of conductive contamination or dry, non-conductive contamination which becomes conductive because condensation is expected. The minimum clearance is defined in VDE 0660 part 100 or DIN VDE 0110-1 in conjunction with the rated impulse withstand voltage.

Operating conditions DIN VDE 0110-1 / VDE 0660 part 100

The modular terminals can be used in the following standard conditions:

- Ambient temperature -5 °C...+40 °C, average value over 24 h: +35 °C
- Altitudes up to 2000 m above sea level
- Relative humidity 50 % at +40 °C, 90 % at +20 °C
- Pollution severity 3

Operating conditions for Weidmüller modular terminals

Depending on material and requirements, Weidmüller modular terminals can also be used in environments where the normal operating conditions are exceeded:

- static operation: –60 °C ... +250 °C
- dynamic operation: –25 °C ... +125 °C
- relative humidity of 93 % at +40 °C

CE marking

The CE marking, seen on various products and their packagings, is neither a sign of quality nor safety. The CE marking is a conformity marking that was introduced to ensure the unhindered movement of goods throughout the European Single Market.
It is not intended to be a reference for end consumers. The CE marking merely shows that the manufacturer has complied with all the EU directives applicable to that product. Therefore, the CE marking should be regarded as verification of conformity with the relevant directives and is aimed at the monitoring authorities responsible. For goods crossing the political borders of the European Union, the CE marking is like a "passport". Weidmüller takes into account all the relevant EU directives according to the best of its knowledge and belief.
Conductor connectors ≥ 50 V~/75 V- comply with the fundamental safety requirements specified in the Low-voltage Directive 73/23/EEC (as amended by 93/68/EEC).
The CE marking according to the CE Marking Directive 93/68/EEC has been compulsory since 1 Jan 1997.

Currently the following directives apply:
73/23 EWG – Electrical equipment for use within specific voltage ranges (Low-voltage Directive)
89/336 EWG – Electromagnetic compatibility (EMC Directive)
98/37 EG – Safety of machines (Machinery Directive)

The standards cited in the directives have long since been intrinsic to Weidmüller's development standards. This provides the guarantee of conformity with the EU directives. Our testing laboratory, accredited to EN 45001, performs the tests in accordance with the standards. The test reports are recognised within Europe within the framework of the accreditation process.

73/23 EWG – Electrical equipment in the meaning of this directive is all electrical equipment operated with a nominal voltage between 50 and 1000 V AC and between 75 and 1500 V DC. For an electrical product to be given the CE marking, it must fulfil the requirements of the EMC Directive and, if applicable, the Low-voltage Directive (50 V AC or 75 V DC).

According to the Low-voltage Directive, a conformity assessment procedure has to be carried out for the product. Conformity with the directive is deemed to be given if there is a reference to a harmonised European standard or another "technical specification", e.g. IEC standards or national standards.

EMC directives

With the decree of the directive of the European Council dated 3 May 1989 for the alignment of the legal requirements of the member states concerning „**E**lectro**m**agnetic **C**ompatibility" (89/336/EEC), the European Union has declared **EMC** as a protection objective.

The protection objectives are defined in Article 4 of the EMC Directive dated 19 November 1992 and state the following:
- "The electromagnetic disturbance it generates does not exceed a level allowing radio and telecommunications equipment and other apparatus to operate as intended."
- "The apparatus has an adequate level of intrinsic immunity to electromagnetic disturbance to enable it to operate as intended."

"Apparatus" is defined in the EMC Directive as follows:
- "all electrical and electronic appliances together with equipment and installa tions containing electrical and/or electronic components."

This applies to the active/passive components and intelligent modules produced and stocked by Weidmüller.

Compliance with this directive is deemed to be given for apparatus that conforms with the harmonised European standards that are published in, for example, in Germany the Gazette of the Federal Minister for Post and Telecommuni-cations.

Such apparatus is utilised in the following areas:
- industrial installations,
- medical and scientific equipment and devices,
- information technology devices.

Weidmüller tests its electronic products according to the relevant standards in order to fulfil the agreed protection objectives.

Electronic products from Weidmüller with respect to EMC directives

Category 1
All passive components such as:
- terminals with status displays
- fuse terminals with status indicators
- passive interface units with and without status indicators
- overvoltage protection

These products cause no interference and they have a suitable immunity to interference. These products are not labelled with the CE marking concerning the EMC Directive or the German EMC Act.

Category 2
These products are labelled with the CE marking after the conformity assessment procedure has been carried out which includes the reference to the harmonised European standards.
The following are harmonised standards:

EN 50081-1
Generic Emission Standard – Part 1: residential, commercial and light industry

EN 50082-1
Generic Immunity Standard – Part 1: residential, commercial and light industry

EN 50081-2
Generic Emission Standard – Part 2: industrial environment

EN 50082-2
Generic Immunity Standard – Part 2: industrial environment

EN 55011
Industrial, scientific and medical (ISM) radio-frequency equipment – Radio disturbance characteristics – Limits and methods of measurement

EN 55022
Information technology equipment –Radio disturbance characteristics –Limits and methods of measurement

EN 61000-3-2
Electromagnetic compatibility (EMC) – Part 3-2: Limits for harmonic current emissions (equipment input current up to and including 16 A per phase).

EN 61000-3-3
Electromagnetic compatibility (EMC) – Part 3-3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current less than or equal to 16 A per phase and not subject to conditional connection

EN 61000-4-x
approx. 10 tests for interference immunity (some tests not ratified)

Use of Tests
Generic standards are always used when standards specific to a product do not exist. The generic standards EN 50081-2 and EN 50082-2 are used as the basis for Weidmüller products.

Note:
The relevance of EN 50082-1 for certain products must be checked as well as how far generic standards EN 50081-1 or EN 50082-1 were considered during testing.
The environment phenomena and test interference levels are specified in the generic immunity standards.
In addition, Weidmüller considers the assessment criteria A, B and C.

Extract from the generic standard EN 50082-2:

Criterion A
The equipment shall continue to operate as intended.
No degradation of performance or loss of function is allowed below a minimum performance level as specified by the manufacturer, when the equipment is used as intended.
In certain cases the nominal performance level can be replaced by a permissible loss of performance. If the minimal performance level or permissible loss of performance is not specified by the manufacturer, both of these specifications can be derived from the description of the product, the relevant documentation and from what the operator expects from the equipment during its intended operation.

Criterion B
The equipment shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a minimum performance level as specified by the manufacturer, when the equipment is used as intended.
In certain cases the minimal performance level can be replaced by a permissible loss of performance. During testing degradation of the performance level is permitted; however, changes to the specified operation mode or data loss are not permitted.
If the minimal performance level or permissible loss of performance is not specified by the manufacturer, both of these specifications can be derived from the description of the product, the relevant documentation and from what the operator expects from the equipment during its intended operation.

Criterion C
Temporary loss of function is allowed, provided the loss of function is self-recoverable or can be restored by the operation of the controls.

Criterion B is most frequently specified in the generic standards and is used by Weidmüller.

Taking the example of a WAVEANALOG analogue coupler:
During testing, the analogue coupler may convert values that lie outside the permissible tolerances.
After testing, however, the values must lie within the given tolerances.

General installation instructions
In conformity with the performance level and criteria A and B, the products may and can be affected by external influences during a fault. However, the aim should be to suppress this as far as possible by means of an optimum installation.

Measures:
- Install the products in a metal enclosure (control cabinet, metal housing).
- Protect the voltage supply with an overvoltage protection device (a PU model for a 230/400 V AC mains supply or an EGU or LPU model for 24 V DC).
- Use only shielded cables for analogue data signals.
- Apply ESD measures during installation, maintenance and operation.
- Maintain min. 200 mm clearance between electronic modules and sources of interference (e.g. inverters) or power lines.
- Ensure ambient temperature and relative humidity values do not exceed those specified.
- Protect long cables with overvoltage protection devices.

For safety reasons, do not operate walkie-talkies and mobile telephones within a radius of 2 m of the equipment.

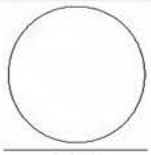
IP class of protection to DIN EN 60529

The ingress protection class or IP rating is indicated by a code consisting of the two letters IP and two digits representing the class of protection.

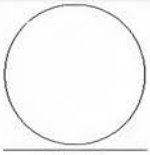
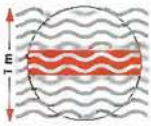
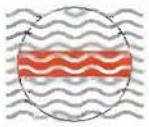
Example: **I P 6 5**

- 2nd digit: protection from liquids
- 1st digit: protection from solid bodies

Protection against intrusion of external particle matter (1st digit)

Digit		
0		No protection
1		Protection against ingress of large solid bodies with diameter > 50 mm. (Protection to prevent dangerous parts being touched with the back of the hand.)
2		Protection against ingress of large solid bodies with diameter > 12.5 mm. (Protection to prevent dangerous parts being touched with the fingers.)
3		Protection against ingress of large solid bodies with diameter > 2.5 mm. (Protection to prevent dangerous parts being touched with a tool.)
4		Protection against ingress of large solid bodies with diameter > 1 mm. (Protection to prevent dangerous parts being touched with a piece of wire.)
5		Protection against harmful deposits of dust, which cannot enter in an amount sufficient to interfere with satisfactory operation.
6		Complete protection against ingress of dust.

Protection against penetration of liquids (2nd digit)

Digit		
0		No protection
1		Protection against drops of condensed water falling vertically.
2		Protection against drops of liquid falling at an angle of 15° with respect to the vertical.
3		Protection against drops of liquid falling at an angle of 60° with respect to the vertical.
4		Protection against liquids splashed from any direction.
5		Protection against water jets projected by a nozzle from any direction.
6		Protection against water from heavy sea on ships' decks.
7		Protection against immersion in water under defined conditions of pressure and time.
8		Protection against indefinite immersion in water under defined conditions of pressure (which must be agreed between manufacturer and user and must be more adverse than number 7).

Conversion table for AWG to mm² conductors

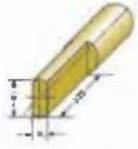
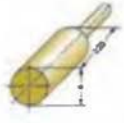
AWG

AWG is the abbreviation for „**A**merican **W**ire **G**auge". This designation bears no resemblance to the actual cross-section of the conductor.
The relationship between AWG and mm² is shown in the following table.

Plug gauge to IEC 60947-1 section 8.2.4.5.2 table 7

Insertion of unprepared round conductors with the largest prescribed cross-section
Test with defined gauge, insertion simply under self-weight

AWG	mm²
28	0.08
26	0.13
24	0.21
22	0.32
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

Conductor cross-section		Plug gauge					
		Form A			Form B		
							
Flexible conductor mm²	Rigid conductor (solid or stranded) mm²	Designation	Diameter a mm	Width b mm	Designation	Diameter a mm	Permissible deviation for a and b mm
1.5	1.5	A 1	2.4	1.5	B 1	1.9	
2.5	2.5	A 2	2.8	2.0	B 2	2.4	0 – 0.05
2.5	4	A 3	2.8	2.4	B 3	2.7	
4	6	A 4	3.6	3.1	B 4	3.5	
6	10	A 5	4.3	4.0	B 5	4.4	0 – 0.06
10	16	A 6	5.4	5.1	B 6	5.3	
16	25	A 7	7.1	6.3	B 7	6.9	
25	35	A 8	8.3	7.8	B 8	8.2	0 – 0.07
35	50	A 9	10.2	9.2	B 9	10.0	
50	70	A 10	12.3	11.0	B 10	12.0	
70	95	A 11	14.2	13.1	B 11	14.0	0 – 0.08
95	120	A 12	16.2	15.1	B 12	16.0	
120	150	A 13	18.2	17.0	B 13	18.0	

Design of the clearances and creepage distances in electrical equipment – general

Since April 1997 the sizing of clearances and creepage distances has been covered by DIN VDE 0110, part 1 "Insulation coordination for electrical equipment in low-voltage systems".

DIN VDE 0110, part 1 contains the modified edition of IEC Report 664-1 (see also IEC 664-1/Oct 1992).

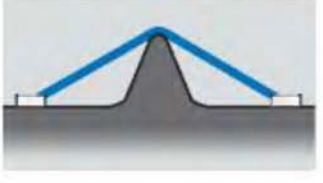
The design data resulting from these provisions is – if applicable – specified in this catalogue for each product.

For the design of clearances and creepage distances, application of the regulations for insulation coordination produces the following interrelationships:

Clearances

Clearances are rated in accordance with the following factors:

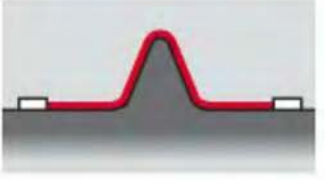
- Anticipated overvoltage
  rated impulse withstand voltage
- Used
  overvoltage protection precaution
- Measures to prevent pollution
  pollution severity

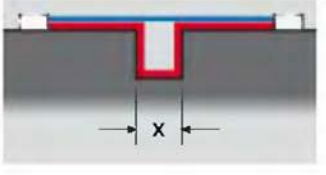


Creepage distances

Creepage distances are rated in accordance with the following factors:

- Planned
  rated voltage
- Insulation materials used
  insulation group
- Measures to prevent pollution
  pollution severity





Slots are taken into account when measuring creepage distances if their minimum width x is dimensioned according to the following table:

Pollution severity	min. width X [mm]
1	0.25
2	1.0
3	1.5
4	2.5

If the associated clearance in air is less than 3 mm, the minimum slot width can be reduced to 1/3 of the clearance.

Design of clearances and creepage distances in electrical equipment – influencing factors

Rated impulse withstand voltage

The rated impulse withstand voltage is derived from:

- **Voltage conductor – earth** (the rated voltage of the network, taking into account all networks)
- **Overvoltage category**

Table 1: Rated impulse withstand voltages for electrical equipment

Rated voltage of power supply system *) in V		Rated impulse withstand voltage in kV			
Three-phase systems	Single-phase systems with neutral point	Electrical equipment at the supply point of the installation **(Overvoltage category IV)**	Electrical equipment as part of the permanent installation **(Overvoltage category III)**	Electrical equipment to be connected to the permanent installation **(Overvoltage category II)**	Specially protected electrical equipment **(Overvoltage category I)**
	120 to 240	4.00	2.50	1.50	0.80
230/400 277/480		6.00	4.00	2.50	1.50
400/690		8.00	6.00	4.00	2.50
1000		Values depend on the particular project or, if no values are available, the values above for 400/690 V can be used.			

*) to IEC 38

Overvoltage categories

are stipulated in accordance with the German standard DIN VDE 0110-1 (for electrical equipment fed directly from the low-voltage network).

Overvoltage I

- Equipment that is intended to be connected to the permanent electrical installation of a building. Measures to limit transient overvoltages to the specific level are taken outside the equipment, either in the permanent installation or between the permanent installation and the equipment.

Overvoltage II

- Equipment to be connected to the permanent electrical installation of a building, e.g. household appliances, portable tools, etc.

Overvoltage III

- Equipment that is part of the permanent electrical installation and other equipment where a higher degree of availability is expected, e.g. distribution boards, circuit-breakers, wiring systems (including cables, busbars, junction boxes, switches, power sockets) in the permanent installation, and equipment for industrial use and some other equipment, e.g. stationary motors with permanent connections to the permanent installation.

Overvoltage IV

- Equipment for use at or near the power supply in the electrical installations of buildings, between the principal distri bution and the mains, e.g. electricity meters, circuit-breakers and centralised ripple controllers.

Pollution severity categories

Pollution severity category 1

- No pollution, or only dry, non-conductive pollution that has no influence.

Pollution severity category 2

- Non-conductive pollution only; occasional condensation may cause temporary conductivity.

Pollution severity category 3

- Conductive pollution, or dry, non-conductive pollution that is liable to be rendered conductive through condensation.

Pollution severity category 4

- Contamination results in constant conductivity, e.g. caused by conductive dust, rain or snow.

Unless explicitly stated otherwise, the dimensioning of clearance and creepage distances and the resulting rating data for electromechanical products (terminals, terminal strips, PCB connection terminals and plug-in connectors) is based on pollution severity 3 and overvoltage category III, taking account of all network types.

Design of clearances and creepage distances in electrical equipment – influencing factors

Rated voltage

The rated voltage is derived from the nominal voltage of the power supply and the corresponding network type.

Single-phase
2- or 3-wire AC or DC systems

Rated voltage of the power supply (mains)*)	Voltages for table 4	
	For insulation phase-to-phase 1)	For insulation phase-to-earth 1)
	All systems	3-wire systems neutral pt. earthing
V	V	V
12.5	12.5	–
24 / 25 30	25 32	– –
42 / 48 / 50*) 60	50 63	– –
30–60	63	32
100*)	100	–
110 / 120 150*)	125 160	– –
220	250	–
110–220 120–240	250	125
300*)	320	–
220–440	500	250
600*)	630	–
480–960	1000	500
1000*)	1000	–

3-phase
3- or 4-wire AC systems

Rated voltage of the power supply (mains)*)	Voltages for table 4		
	For insulation phase-to-phase	For insulation phase-to-earth	
	All systems	3-phase 4-wire systems with earthed neutral wire2)	3-phase 3-wire systems unearthed1) or phase-earthed
V	V	V	V
60	63	32	63
110/120/127	125	80	125
150**)	160	–	160
208	200	125	200
220/230/240	250	160	250
300**)	320	–	320
380/400/415	400	250	400
440	500	250	500
480/500	500	320	500
575	630	400	630
600**)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000**)	1000	–	1000

1) Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.

2) For electrical equipment for use in both 3-phase 4-wire and 3-phase 3-wire supplies, earthed and unearthed, use the values for 3-wire systems only.

*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.

**) Because of the common changes, the meaning of the ** symbol has not been used in table 1, i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-neutral voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire 3-phase systems and specifies the value phase-to-phase.
The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

Insulating material group

The insulating materials are divided into four groups depending on the comparative figures for creepage distance (CTI = comparative tracking index):

Insulating material group	
I	600 ≤ CTI
II	400 ≤ CTI < 600
III a	175 ≤ CTI < 400
III b	100 ≤ CTI < 175

The comparative tracking index must be determined using special samples produced for this purpose with test solution A in compliance with IEC 60112 (DIN IEC 60112/DIN VDE 0303-1).

Derating curve (current-carrying capacity curve)

The **Derating curve** shows which currents may flow continuously and simultaneously via all possible connections when the component is subjected to various ambient temperatures below its upper limit temperature.

The current-carrying capacity is determined empirically according to DIN IEC 60512-3. To do this, the resulting component temperatures t_{b1}, t_{b2} , ... and the ambient temperatures t_{u1}, t_{u2} , ... are measured for three different currents I_1, I_2 , ...

The values are entered on a graph with a system of linear coordinates to illustrate the relationships between the currents, the ambient temperatures and the temperature rise in the component.

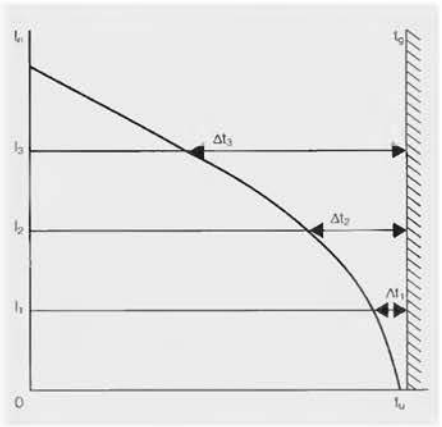
The **loading currents** are plotted on the y-axis, the **component ambient temperatures** on the x-axis.

A line drawn perpendicular to the x-axis at the upper limit temperature t_g of the component completes the system of coordinates.

The associated average values of the temperature rise in the component $\Delta t_1 = t_{b1}-t_{u1}$, $\Delta t_2 = t_{b2}-t_{u2}$, ... are plotted for every current I_1, I_2 ... to the left of the perpendicular line.
The points generated in this way are joined to form a roughly parabolic curve.

Base curve

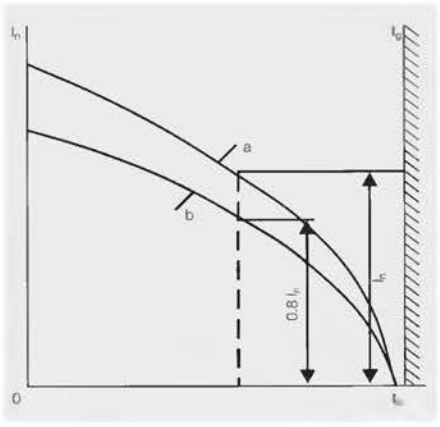
upper limit temperature of component



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current

As it is practically impossible to choose components with the maximum permissible volume resistances for the measurements, the base curve must be reduced. Reducing the currents to 80 % results in the "**derating curve**", in which the maximum permissible volume resistances and the measuring uncertainties in the temperature measurements are taken into account.

Derating curve



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current
a = base curve
b = reduced base curve (derating curve)

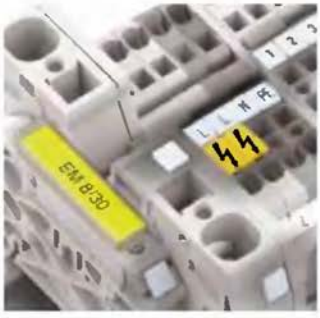
The installation of terminal strips

Assembly and end brackets

- Assemble terminal strips from left to right.
- Closed side on the left, open on the right.
- Always close off the open side of a modular terminal with an end plate or partition plate (WAP/TW, ZAP/TW and IAP).
- Fit end brackets to both ends of a terminal strip.
- End brackets can be omitted adjacent to PE terminals, with the exception of WDK/PE and ZPE + WPE 1.5 / R 3.5.

Combinations of various terminals

- Always fit an end plate or partition plate (WAP/TW, ZAP/TW and IAP) at changes of profile.
- Always fit end plates or partition plates (WAP/TW, ZAP/TW and IAP) between adjacent terminals with different rated voltages in order to maintain the respective voltages.
- When a PE terminal is required adjacent to or between associated feed-through terminals of the same series and size, the rated voltage and rated impulse withstand voltage of the feed-through terminals are not affected.



Dimensions

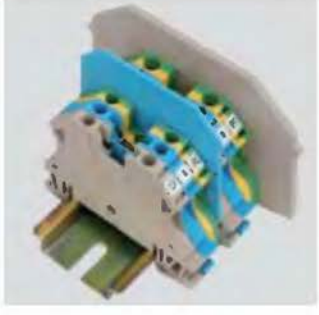
The dimensions specified are those of the enclosing housing to the modular terminal, including fixing components but excluding tolerances. A mounting tolerance of 0.2 mm on the specified terminal width should be allowed for in the planning.

Partition plate

A partition plate is required to create a visual distinction between electric circuits, or to ensure electrical isolation between neighbouring cross-connections.

Separation plate

Separation plates can be retrofitted between cross-connections or sockets



on modular terminals up to a terminal width of max. 12 mm.

Maintaining the rated insulation voltage

The required stripping length is specified in mm for every Weidmüller product. These lengths, e.g. 6 ± 0,5 mm, ≥ 10 ± 1 mm, must be maintained. This also applies when using wire end ferrules. The outside dimensions of crimped wire end ferrules must comply with IEC 60947-1, 1999 edition.

Working on electrical connections with non-insulated screwdrivers

The use of non-insulated screwdrivers is only permitted on electrical systems that have been isolated. To ensure that the electrical components have been dis-

connected from the power supply, the following five safety rules must be adhered to before carrying out any work and guaranteed for the duration of the work:

- **isolation**
- **prevention of reconnection**
- **verification of disconnection**
- **earthing and short-circuiting**
- **covering or guarding of adjacent parts still connected to the power supply**

These five safety rules represent the safety measures to be taken when working on electrical systems and equipment. The individual measures to be carried out taking into account the operational and local conditions, e.g. exposed high- or low-voltage lines, cables or switchgear, are specified in VDE 0105 part 100.

Unused clamping points connected to the power supply

Suitable covers, e.g. ADP 1...4, must be fitted to prevent electrical shock caused through accidental contact with unused clamping points that could conduct electricity. The clamping screws of all unused clamping points, even those isolated from the electricity supply, must be screwed fully home.

VDE 0105 part 100
Operation of power supplies: work on such systems

Perform troubleshooting operations with a 2-pole voltage tester including test prod to IEC 61243-3.

Tightening torques for clamping screws

Tightening the clamping screw with the appropriate torque guarantees:

- a secure and gas-tight connection
- no mechanical damage to the clamping parts
- a voltage drop well below the permissible limit

The test torque to IEC 60947-1 supplemented by Appendix C1 of IEC 60947-1-7, or the torque as specified by the manufacturer is the lower value of the permissible torque range.
This ensures that all tests are satisfied.

The upper value of the permissible torque range is the maximum torque that may be applied by the user.

An electric screwdriver should preferably be set to a torque in the middle of the range. The values given in the table are general figures. Torques specific to the products have been specified directly for each product.

Products with screw with slotted head

Thread	Tightening torque Steel screws min. 8.8 [Nm]	A2/A4-80 [Nm]
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	..
M 5	2.0...4.0	...
M 6	2.5...5.0	..

Products with screw with hexagon socket

Thread	Tightening torque Non-ferrous screws Cu 2 (CuZn) [Nm]	Cu 5 (CuNi 6) [Nm]
M 2.5	0.4...0.45	..
M 3	0.5...0.6	0.5...1.0
M 3.5	..	0.8...1.6
M 4	1.2...1.9	1.2...2.4
M 5	2.0...3.0	2.0...4.0
M 6	..	2.5...5.0

Products with screw with hexagon socket

Thread	Tightening torque Steel screws [Nm]
M 4	1.2...2.4
M 5	2.0...4.0
M 6	3.0...6.0
M 8	6.0...12
M 10	10.0...20
M 12	14.0...31
M 16	25.0...60

Connecting the terminals

Two conductors at one clamping point

The optimum solution for allocation of individual circuits, labelling and the breakdown into separate functional units is best achieved by connecting just one conductor at every clamping point.

However, if it is necessary to connect two conductors with the same cross-section at one clamping point, then this is possible with the modular terminals of the W-Series (screw connection).

According to DIN IEC 60999-1, twin wire end ferrules must be used when connecting two conductors at one clamping point in modular terminals of the Z-Series (tension clamp).

But DIN IEC 60999-1 prohibits the connection of two conductors at one point in the screwless IDC system (I series).

▪ Continuous current rating with two conductors

The total current of two conductors may not exceed the continuous current rating of the modular terminal. The continuous current rating is the maximum current that a modular terminal can accommodate without the temperature rise exceeding 45 K.

▪ Rated insulation voltage

The rated insulation voltage of the modular terminal does not change when two conductors are connected properly.

Cross-connections systems

Weidmüller can supply the cross-connections WQV and ZQV – fully insulated against electric shock – with various numbers of poles (2- to 20-pole).
Please note that the rated voltage is reduced when using cross-connections.

Protection against electric shock is not provided at the ends of shortened cross-connections.

Such cross-connections must be used with partition plates or end plates in order to maintain the rated voltage.

Leaf clamp conductor connection for large cross-sections

It is no longer the case that conductors with large cross-sections have to be forced into the clamping point. Instead, they can now be easily laid in the modular terminal.
In addition to the individual form, every type of terminal can also be supplied in the form of 3-, 4- and 5-pole blocks. All the blocks are permanently screwed together and therefore guarantee additional rigidity.
Direct mounting is possible thanks to the elongated holes on the underside of the terminals. Terminal blocks can be screwed directly to mounting plates with a 25 mm pitch.

The other advantages are:

- Constant force transfer through self-adjusting connection system
- Mounting in any direction
- Electric shock protection (finger-proof) to German standard VBG 4, also with cross-connections
- Extremely resistant to distortion

Open cover and remove screw assembly.

Insert conductor and replace screw assembly.

Close cover and tighten screw with Allen key.

The use of aluminium conductors

Weidmüller modular terminals are suitable for the direct connection of **solid round and sector aluminium conductors**.
In contrast to copper, aluminium exhibits certain characteristics that must be taken into account when using this material as a conductor in electrical engineering.

A thin, non-conductive layer of oxide forms immediately on the unprotected surface of the aluminium as soon as it is exposed to the air.
This layer increases the contact resistance between the aluminium conductor and the current bar of the modular terminal. And that, in unfavourable conditions, can lead to poor contact.
And in stranded conductors the contact resistances of the individual strands are added together. Despite these disadvantages, aluminium conductors can be connected to Weidmüller modular terminals, provided the reduced rated currents for aluminium conductors and the following installation conditions are adhered to.

1. Scrape the stripped end of the conductor carefully, e.g. with a knife, to remove the layer of oxide.
   Caution: Do not use brushes, files or emery paper because particles of aluminium can be deposited on other conductors.

2. After removing the layer of oxide, coat the end of the conductor immediately with a neutral grease, e.g. acid- and alkali-free Vaseline, and connect it to the terminal immediately.

3. Repeat the above procedure if at any time the conductor is disconnected and reconnected.

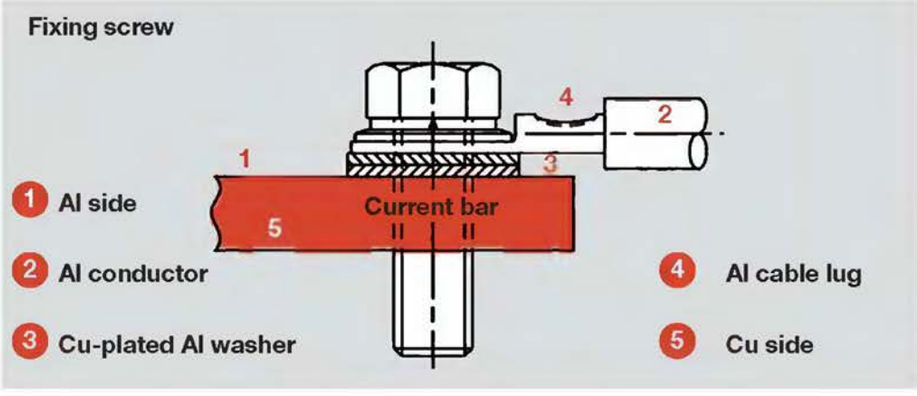
4. The above installation instructions are valid for solid round or sector aluminium conductors only.

Solid round and sector conductors				
Terminal type	Rated cross-section	Reduced rated current when connecting an aluminium conductor	Clamping screw thread size	Tightening torque
W-Series	mm²	„A"		Nm
WDU 2.5	2.5	20	M 2.5	0.5-0.8
WDU 4	4	27	M 3	0.6-1.0
WDU 6	6	35	M 3.5	1.2-1.6
WDU 10	10	48	M 4	2.0-2.4
WDU 16	16	64	M 5	3.0-4.0
WDU 35	35	105	M 6	4.0-6.0
WDU 70	70	163	M 8	10.0-12.0
WDU 120	120	230	M 10	15.0-20.0
SAK-Series				
SAK 2.5	2.5	20	M 2.5	0.5-0.8
SAK 4	4	27	M 3	0.6-1.0
SAK 6	6	35	M 3.5	1.2-1.6
SAK 10	10	48	M 4	2.0-2.4
SAK 16	16	64	M 4	2.0-2.4
SAK 35	35	105	M 6	4.0-6.0

Stranded conductors				
W-Series				
WFF 35	35	105	M 6	3.0-6.0
WFF 70	70	163	M 8	6.0-12.0
WFF 120	120	230	M 10	10.0-20.0
WFF 185	185	300	M 12	15.5-31.0
WFF 300	300	409	M 16	30.0-60.0

Installation advice when using flat cable lugs

When tightening the terminal it is advisable to hold the conductor to prevent deformation of the terminal rail and to avoid twisting the foot of the terminal. When connecting **stranded aluminium conductors** to modular terminals, it is advisable to use an aluminium cable lug chosen to match the type of conductor and connected according to the instructions of the cable lug manufacturer. It is necessary to fit a copper-plated aluminium washer between the aluminium cable lug and the copper current bar of the modular terminal. This is the only way of guaranteeing a reliable transition between the copper and the aluminium. Fit the washer in such a way that the copper side is in contact with the current bar, and the aluminium side in contact with the cable lug.



Modular terminals for explosive conditions

Modular terminals for explosive conditions – complying with the European ATEX Directive 94/9/EC

Principles

IEC 60947-7-1 (EN 60 947-7-1/VDE 0611pt.1) and IEC 60 947-7-2 (EN 60 947-7-2/ VDE 0611pt.3) specify the basic provisions for modular terminals or PE terminals.
In addition, EN 60079-0 and for increased safety „e" EN 60079-7, cover their use in potentially explosive areas.
According to EN 60079-0 modular terminals for explosive conditions are so-called explosion-proof components. Components are those parts and assemblies that are necessary for the safe operation of devices and protective systems without themselves fulfilling an autonomous function.
According to the European ATEX Directive 94/9/EC, modular terminals for explosive areas are not marked with the CE symbol. Modular terminals for explosive areas are certified for the increased safety "e" type of protection.

The European offices nominated in the ATEX Directive 94/9/EC, have been issuing EC Type Examination Certificates for the so-called ATEX generation complying with EN 60079-0/60079-7 and the ATEX Directive 94/9/EC since 1997. The condition for this is registration of the manufacturer's quality control system. Weidmüller has been registered since 1997. Copies of the EC Type Examination Certificate, the certification document and the declaration of conformity can be supplied in electronic format upon request.

The earlier certificates (A to D generations) issued according to the Explosive Atmospheres and Gassy Mines Directive 76/117/EEC have not been valid since 1 July 2003. However, existing installations are not affected by this.

The clamping yoke, tension clamp and IDC systems of the modular terminals ensure enhanced protection against gradual loosening and are designed in such a way that the ends of flexible conductors do not need to be prepared.

Marking

ATEX Directive 94/9/EC: ⟨Ex⟩ II 2 G D

⟨Ex⟩	Equipment for explosive conditions
II 2 G	Equipment group II category 2 (Zone 1 equipment)
II 2 D	Equipment group II category 2 (Zone 21 equipment)
EN	**60079-0/-7:** Ex e II
E	Conformity with EN standards
Ex	Explosion protection
e	Increased safety
II	Equipment group

KEMA 97ATEX4677U (example)

KEMA	Notified body
ATEX	Conformity with 94/9/EG
U	Component

Confirmed according to European ATEX Directive 94/9/EC

Electrical data

The values for current-carrying capacity as stated in the catalogue are based on an ambient temperature of 40°C. When loaded with the rated current + 10%, the temperature of the current bar of the modular terminal may not rise more than 40 K.
Taking into account a further safety factor according to EN 60079-0, we reach the following definitions:

Temperature class	Ambient temperature
T6, T5	–50°C to +40°C
T4 to T1	–50°C to +55°C

If the actual ambient temperature is higher, then the permissible rated current must be reduced accordingly.
The continuous operating temperature according to EN 60079-0 is 130°C for the Wemid and KrG materials, 80°C for PA.

Accessories

The accessories listed can be used and included in the ATEX certification. In order to maintain the creepage distances and clearances for the Ex e category, end plates and/or partition plates should be used as specified.

Design for EEx i

Modular terminals for intrinsically safe circuits "i" are said components whose temperature rise behaviour is specified just like their electrical data. Therefore, they do not need an EC Type Examination Certificate when used in intrinsically safe circuits.
To enable unambiguous marking and ready identification, the use of blue terminals is recommended. These terminals comply with the requirements of category Ex e.

Accessories

The accessories listed can be used and comply with EN 60079-11 (IEC 60079-11/VDE 0170/0171 part 7).

Installation

The general statements regarding standard applications are also valid for EEx i applications. In particular, the EEx i requirements always apply to the entire circuit, i.e. also to parts in areas not at risk of explosion.

Clamping of two conductors in Ex e applications

It is generally permitted to connect two conductors per clamping point in all the terminals of our W-Series. However, please make sure that these have the same cross-section and do not exceed the rated cross-section.

Current-carrying capacity of cables and lines

Rated currents

Cross-sect.	VDE 0298 part 4 (IEC364-5-523) Current-carrying capacity of lines		EN 60079-7 2nd edition Type of ignition "increased safety" Connection terminals Ambient temperature 40°C, 40 K temperature rise Current equivalent to the conductor connected
	Ambient temperature 30°C Factor 1.0 - Installation type C + 3 current-carrying wires PVC 70 °C	Ambient temperature 40°C Factor 0.87 - Installation type C + 3 current-carrying wires PVC 70 °C	
	A	A	A
1.5	17.5	15.225	15
2.5	24	20.88	21
4	32	27.84	28
6	41	35.67	36
10	57	49.59	50
16	76	66.12	66
25	101	87.87	88
35	125	108.75	109
50	150	130.5	131
70	192	167.04	167
90	232	201.84	202
120	269	234.03	234
150	309	268.83	267
185	353	307.11	307
240	415	361.05	361
300	520	452.4	452

The current-carrying capacity of cables and lines in the installation is defined by VDE 0298 part 4 as normal at an ambient temperature of 30°C. At 40°C the operating current must be reduced by a factor of 0.87.

ATEX directives

The old directive – Explosive Atmospheres and Gassy Mines Directive 76/117/EEC – was superseded by the new directive 94/9/EC, also known as ATEX 95 (ATEX: ATmosphère EXplosive = potentially explosive atmosphere), on 1 July 2003. Only the new directive is now valid, which is one of the so-called "New Approach" directives. It applies in all the countries of the European Union plus Iceland, Liechtenstein and Norway. In all these countries the directive applies to the sale and operation of products that have been specially developed for use in potentially explosive atmospheres in which gases, vapours, mists or dusts prevail. A new development is the inclusion of mining operations and purely mechanical devices.

The ATEX directive has been in force since March 1996, and its use up until 30 June 2003 (transitionary period) was optional and existing directives remained applicable as well. But since 1 July 2003 all new installations and equipment for use in potentially explosive areas must comply with the ATEX directive and be certified accordingly. However, the previous breakdown into zones (Zone 0, 1 or 2) and classes of protection (e.g. "i": intrinsic safety, "e": increased safety) still remains in force.

Class of protection

Type of protection	Code	CENELEC EN	IEC	Product category explosion protect.
General requirements	–	60079-0	60079-0	–
Oil immersion	o	50015	60079-6	2
Pressurised apparatus	p	60079-2	60079-2	2
Powder filling	q	50017	60079-5	2
Flameproof enclosure	d	60079-1	60079-1	2
Increased safety	e	60079-7	60079-7	2
Intrinsic safety	ia	50020	60079-11	1
Intrinsic safety	ib	50020	60079-11	2
Equip. for zone 2 (EEx n)	n	60079-15	60079-15	3
Encapsulation	m	60079-18	60079-18	2

Classification for potentially explosive areas

CENELEC classification IEC60079-10	Presence of potentially explosive atmosphere	Product category	US classification NEC 500	Combustible media
Zone 0	permanent, long-term	1G	Class I, Div 1	gases, vapours
Zone 20	or frequently	1D	Class II, Div 1	dust
Zone 1	occasionally	2G	Class I, Div 1	gases, vapours
Zone 20		2D	Class II, Div 1	dust
Zone 2	rarely and	3G	Class I, Div 2	gases, vapours
Zone 22	briefly	3D	Class II, Div 2	dust

Explosion groups

Gas (e.g.)	CENELEC	NEC 500
Propane	IIA	D
Ethylene	IIB	C
Hydrogen	IIC	B
Acetylene	IIC	A
Methane (mining)	I	mining (MSHA)

Temperature classes

Max. surface temperature (°C)	Temperature class CENELEC	Temperature class NEC 500-3
450	T1	T1
300	T2	T2
280	–	T2A
260	–	T2B
230	–	T2C
215	–	T2D
200	T3	T3
180	–	T3A
165	–	T3B
160	–	T3C
135	T4	T4
120	–	T4A
100	T5	T5
85	T6	T6

ATEX codes

Example of marking – modular terminal WDK 4 N V

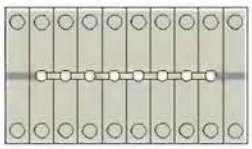
1. Rated voltage
2. CENELEC type of protection "e" – increased safety
   - Equipment group II – above ground (gases, vapours, mists, dusts)
3. Certificate number
4. Rated conductor cross-section
5. Equipment group II – above ground (gases, vapours, mists, dusts)
   - Product category 2 – for use in zone 1 or 2
   - Approved for use in gases "G" and/or dusts "D"
6. European symbol for explosion protection

ATEX cross-connection instructions

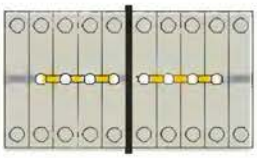
Arrangements of terminals and cross-connections

The maximum voltages for Ex e applications given below are determined on the basis of the terminals used, their cross-connections and which of the arrangements (A to J) is used.

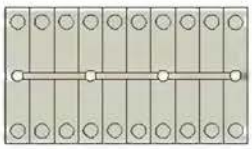
A Continuous



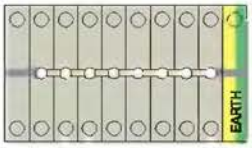
C Adjacent (used with QV)
separated by a partition plate or end plate



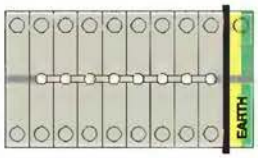
D Bypassing
bridging one or several unconnected terminals (e.g. every third)



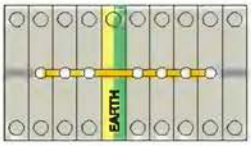
E Adjacent to a PE terminal (earth)
without partition plate or end plate



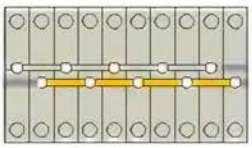
F Adjacent to a PE terminal (earth)
with partition plate or end plate



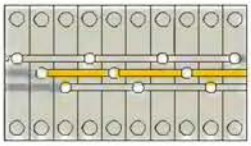
G Bypassing a PE terminal (earth)



H 2 parallel cross-connections



I 3 parallel cross-connections



Maximum voltage

Range [1]	Certificate No.	Rated voltage	Rated current	Nominal cross-section	Maximum voltage (V) (letters refer to the above diagrams)							
AKZ ...		v	A	mm²	A	C	D	E	F	G	H	I
AKZ 1.5	SIRA 02ATEX3001 U	176	15	1.5	176	176	176	176	176	176	–	–
AKZ 2.5	SIRA 02ATEX3001 U	176	21	2.5	176	176	176	176	176	176	–	–
AKZ 4	SIRA 02ATEX3001 U	275	28	4	275	275	275	275	275	275	–	–
BK ...												
BK 2/E ... BK 12/E	SIRA 01ATEX3247 U	275	28	4	176	176	176	–	–	176	–	–
DK 4 ...												
DK 4	SIRA 02ATEX3316 U	275	28	4	275	275	275	275	275	–	–	–
DK 4Q	SIRA 02ATEX3316 U	275	28	4	275	275	275	275	275	–	–	–
DK 4QV	SIRA 02ATEX3316 U	275	28	4	275	275	275	275	275	–	–	–
I ... Series												
IDK 1.5N	KEMA 02ATEX2241 U	275	15	1.5	275	275	275	–	–	–	–	–
IDK 1.5N/V	KEMA 02ATEX2241 U	275	15	1.5	275	275	275	–	–	–	–	–
IDU 1.5N	KEMA 02ATEX2241 U	275	15	1.5	275	275	275	275	275	275	275	–
IDU 1.5N/ZF	KEMA 02ATEX2241 U	275	15	1.5	275	275	275	275	275	275	275	–
IDU 1.5N/ZB	KEMA 02ATEX2241 U	275	15	1.5	275	275	275	275	275	275	275	–
IDU 2.5N	DEMKO 03ATEX134054 U	550	21	2.5	550	550	550	550	550	550	550	–
IDU 2.5N/ZF	DEMKO 03ATEX134054 U	550	21	2.5	550	550	275	275	550	275	550	–
IDU 2.5N/ZB	DEMKO 03ATEX134054 U	550	21	2.5	550	550	275	275	550	275	550	–
MK ...												
MK 3/ ... /E	SIRA 01ATEX3248U	275	21	2.5	176	176	176	–	–	–	–	–
MK 6/ ... /E	SIRA 01ATEX3249U	440	36	6	275	275	275	–	–	–	–	–
SAK ... TS 32/TS 35												
SAK 2.5	KEMA 97ATEX1798 U	550	21	2.5	550	550	176	550	550	176	–	–
SAK 4	KEMA 97ATEX1798 U	550	28	4	550	550	176	550	550	176	–	–
SAK 6N	KEMA 97ATEX1798 U	550	36	6	550	550	176	550	550	176	–	–
SAK 10	KEMA 97ATEX1798 U	550	50	10	550	550	176	550	550	176	–	–
SAK 16	KEMA 97ATEX1798 U	690	66	16	550	550	176	550	690	176	–	–
SAK 35	KEMA 97ATEX1798 U	550	109	35	550	550	176	550	550	176	–	–

1) Please refer to the catalogue and the certificate for details of precisely which article is approved.

Maximum voltage

Range [1]	Certificate No.	Rated voltage	Rated current	Nominal cross-section	Maximum voltage (V) (letters refer to the diagrams on page W.28)							
SAK ... EN on TS32		V	A	mm²	A	C	D	E	F	G	H	I
SAK 2.5 EN	KEMA 97ATEX1798 U	440	21	2.5	440	440	176	440	440	176	–	–
SAK 4 EN	KEMA 97ATEX1798 U	440	28	4	440	440	176	440	440	176	–	–
SAK 6N EN	KEMA 97ATEX1798 U	440	36	6	440	440	176	440	440	176	–	–
SAK 10 EN	KEMA 97ATEX1798 U	440	50	10	440	440	176	440	440	176	–	–
SAK 16 EN	KEMA 97ATEX1798 U	440	66	16	440	440	176	440	440	176	–	–
SAK 35 EN	KEMA 97ATEX1798 U	440	109	35	440	440	176	440	440	176	–	–
SAK ... EN on TS35												
SAK 2.5 EN	KEMA 97ATEX1798 U	690	21	2.5	440	440	176	440	440	176	–	–
SAK 4 EN	KEMA 97ATEX1798 U	690	28	4	690	690	176	690	690	176	–	–
SAK 6N EN	KEMA 97ATEX1798 U	690	36	6	690	690	176	690	690	176	–	–
SAK 10 EN	KEMA 97ATEX1798 U	690	50	10	690	690	176	690	690	176	–	–
SAK 16 EN	KEMA 97ATEX1798 U	690	66	16	690	690	176	690	690	176	–	–
SAK 35 EN	KEMA 97ATEX1798 U	690	109	35	690	690	176	690	690	176	–	–
SAKK ...												
SAKK 4	SIRA 03 ATEX3425 U	275	28	4	275	275	275	275	275	275		
SAKK 10	SIRA 03 ATEX3425 U	275	50	10	275	275	275	275	275	275		
W...												
WDK 1.5/R3.5	KEMA 99ATEX6545 U	275	15	1.5	176	275	176	176	–	–	–	–
WDK 2.5	KEMA 98ATEX1687 U	275	21	2.5	275	275	60	275	275	60	–	–
WDK 2.5V	KEMA 98ATEX1687 U	275	21	2.5	275	275	60	275	275	60	–	–
WDK 2.5DU-PE	KEMA 98ATEX1687 U	275	21	2.5	275	275	60	275	275	60	–	–
WDK 2.5/EX	KEMA 98ATEX1687 U	440	21	2.5	440	440	176	440	440	176	–	–
WDK 2.5N	KEMA 00ATEX2061U	550	21	2.5	550	550	275	550	550	275	–	–
WDK 4N	KEMA 00ATEX2061U	550	28	4	550	550	275	550	550	275	–	–
WDU 1.5/ZZ	KEMA 98ATEX1685 U	550	14	1.5	550	550	110	550	550	110	110	–
WDU 2.5/1.5/ZR	KEMA 98ATEX1685 U	550	15	1.5	550	550	110	550	550	110	110	–
WDU 2.5/TC	SIRA 02ATEX3153 U	50	15	1.5	–	–	–	–	–	–	–	–
WDU 1.5/R3.5	KEMA 99ATEX6545 U	275	1	2.5	176	275	176	176	–	–	–	–
WDU 2.5N	KEMA 98ATEX1683 U	440	21	2.5	440	440	110	440	440	110	–	–
WDU 2.5	KEMA 98ATEX1683 U	550	21	2.5	550	550	110	440	550	110	110[2]	60
WDU 2.5 TC		50	1	2.5	–	–	–	–	–	–	–	–
WDU 4	KEMA 98ATEX1683 U	690	28	4	690	690	110	440	690	110	–	–
WDU 4 SL		275	28	4	275	275	176	275	275	176	–	–
WDU 4N	TÜV 04ATEX2630 U	440	27	4	440	275	69	440	440	69	69	–
WDU 6	KEMA 98ATEX1683 U	550	36	6	550	550	110	440	550	110	–	–
WDU 6 SL		275	36	6	275	275	176	275	275	176	–	–
WDU 10	KEMA 98ATEX1683 U	550	50	10	550	550	110	440	550	110	–	–
WDU 10 SL		275	50	10	275	275	176	275	275	176	–	–
WDU 16	KEMA 98ATEX1683 U	690	66	16	690	690	110	690	690	110	–	–
WDU 35	KEMA 98ATEX1683 U	690	109	35	690	690	110	690	690	110	–	–
WDU 50N	KEMA 98ATEX1683 U	690	126	50	550	550	–	550	550	–	–	–
WDU 70N	KEMA 98ATEX1683 U	690	167	70	550	550	–	550	550	–	–	–
WDU 70/95	KEMA 98ATEX1686 U	690	202	95	690	690	–	690	690	–	–	–
WDU 95N/120N	KEMA 98ATEX1683 U	880	243	120	880	880		880	880	–	–	–
WDU 120/150	KEMA 98ATEX1686 U	1100	234	120	1100	1100	–	1100	1100	–	–	–
WDU 240	KEMA 01ATEX2186 U	690	300	240	–	–	–	–	–	–	–	–
WDU 4 SL	SIRA 02ATEX3242 U	275	28	4	275	275	176	275	275	176	176	–
WDU 6 SL	SIRA 02ATEX3242 U	275	36	6	275	275	176	275	275	176	176	–
WDU 10 SL	SIRA 02ATEX3242 U	275	50	10	275	275	176	275	275	176	176	–
WFF 35	KEMA 98ATEX1684 U	1100	109	35	1100	1100	–	1100	1100	–	–	–
WFF 70	KEMA 98ATEX1684 U	1100	167	70	1100	1100	–	1100	1100	–	–	–
WFF 120	KEMA 98ATEX1684 U	1100	234	120	1100	1100	–	1100	1100	–	–	–
WFF 185	KEMA 98ATEX1684 U	1100	307	185	1100	1100	–	1100	1100	–	–	–
WFF 300	KEMA 98ATEX1684 U	1100	452	300	1100	1100	–	1100	1100	–	–	–
Z ...												
ZDK 2.5/1.5	KEMA 97ATEX4677 U	275	18	2.5	275	275	275	275	275	275	–	–
ZDK 2.5-2	KEMA 97ATEX4677 U	550	20	2.5	440	440	275	440	440	275	–	–
ZDK 2.5-2V	KEMA 97ATEX4677 U	550	22	2.5	440	440	275	440	440	275	–	–
ZDK 2.5-2DU-PE	KEMA 97ATEX4677 U	550	20	2.5	440	440	275	440	440	275	–	–
ZDU 1.5	KEMA 01ATEX2106 U	550	15	1.5	275	275	176	275	550	176	275	–

1) Please refer to the catalogue and the certificate for details of precisely which article is approved.

2) The outer cross-connection openings must be used for type ZQV.

ATEX

Maximum voltage

Range [1]	Certificate No.	Rated voltage	Rated current	Nominal cross-section	Maximum voltage (V) (letters refer to the diagrams on page W.28)							
Z...		V	A	mm²	A	C	D	E	F	G	H	I
ZDU 1.5/3AN	KEMA 01ATEX2106 U	550	15	1.5	275	275	176	275	550	176	275	–
ZDU 1.5/4AN	KEMA 01ATEX2106 U	550	15	1.5	275	275	176	275	550	176	275	–
ZDU 2.5	KEMA 97ATEX2521 U	550	21	2.5	275	275	275	275	275	275	275	–
ZDU 2.5/2X2AN	KEMA 97ATEX2521 U	550	21	2.5	–	–	–	–	–	–	–	–
ZDU 2.5/3AN	KEMA 97ATEX2521 U	550	21	2.5	275	275	275	275	275	275	–	–
ZDU 2.5/4AN	KEMA 97ATEX2521 U	550	21	2.5	275	275	275	275	275	275	–	–
ZDU 4	KEMA 97ATEX2521 U	550	28	4	275	275	275	275	275	275	275	–
ZDU 6	KEMA 97ATEX2521 U	550	36	6	275	275	275	275	275	275	275	–
ZDU 6/3AN	KEMA 00ATEX2107 U	550	36	6	275	275	275	275	275	275	–	–
ZDU 10	KEMA 99ATEX5514 U	550	50	10	550	550	–	550	550	–	–	–
ZDU 10/3AN	KEMA 00ATEX2107 U	550	50	10	550	550	275	550	550	–	–	–
ZDU 16	KEMA 99ATEX5514 U	550	66	16	550	550	–	550	550	–	–	–
ZDU 16/3AN	KEMA 00ATEX2107 U	550	66	16	–	–	–	–	–	–	–	–
ZDU 35	KEMA 00ATEX2107 U	690	109	35	550	550	–	550	550	–	–	–
ZDU 2.5-2	KEMA 97ATEX4677 U	550	21	2.5	440	440	275	550	550	275	110	
ZDU 2.5-2/3AN	KEMA 97ATEX4677 U	550	21	2.5	440	440	275	550	550	275	110	–
ZDU 2.5-2/4AN	KEMA 97ATEX4677 U	550	21	2.5	–	–	–	–	–	–	–	–
ZDU 4-2	KEMA 97ATEX4677 U	550	28	4	440	440	275	550	550	275	110	
ZDU 4-2/3AN	KEMA 97ATEX4677 U	550	28	4	440	440	275	550	550	275	110	
ZDU 4-2/4AN	KEMA 97ATEX4677 U	550	28	4	440	440	275	550	550	275	110	
ZDU 6-2	KEMA 97ATEX4677 U	550	36	6	440	440	275	550	550	275	110	
ZDU 6-2/3AN	KEMA 97ATEX4677 U	550	36	6	440	440	275	550	550	275	110	
ZDUA 2.5-2	KEMA 97ATEX4678 U	275	20	2.5	275	275	110	275	275	110	–	–
ZDUB 2.5-2/...	KEMA 97ATEX2755 U	550	21	2.5	–	–	–	–	–	–	–	–

1) Please refer to the catalogue and the certificate for details of precisely which article is approved.