

Enclosures

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Metal enclosures



Klippon® TB



Klippon® JB



STB



Klippon® K

Material	Stainless steel			Sheet steel		Aluminium
Surface	Electropolished/brushed			Polyester powder paint (baked)		Untreated or painted
Environment	Indoors Outdoors Chemical industry Food industry Tropics			Indoors protected		Indoors Outdoors Shipbuilding (with chromating)
Advantages	Maintenance-free Robust			Maintenance-free Robust		Maintenance-free Low weight Torsionally rigid Easy to mount
Chemical resistance	very good			good		good
Sea water resistance	very good			insufficient		good
UV-resistance	very good			very good		very good
Halogen-free	yes			yes		yes
Cadmium-free	yes			yes		yes
Characteristics	Klippon® TB	Klippon® JB	STB	Klippon® TB	STB	Klippon® K
Lowest temperature	-60 °C	-60 °C	-20 °C (-60 °C)*	-60 °C	-20 °C (-60 °C)*	-40 °C (-60 °C)*
Highest continuous temperature	+135 °C	+135 °C	+85 °C (+135 °C)*	+135 °C	+80 °C (+135 °C)*	+85 °C (+135 °C)*
Impact resistance	10 J	10 J	7 J	10 J	7 J	10 J
IP Protection class	66 + 67	66 + 67 + 68	66	66 + 67	66	66 + 67 + 68
ATEX approval	yes	yes	yes	yes	yes	yes
GL	yes	yes	yes	yes	yes	yes
Dimensions						
L x W x H (min) mm	229 x 152 x 130	210 x 210 x 160	120 x 120 x 90	229 x 152 x 130	120 x 120 x 90	45 x 50 x 30
L x W x H (max) mm	914 x 610 x 200	630 x 600 x 250	250 x 400 x 130	914 x 610 x 200	250 x 400 x 130	280 x 230 x 111
Equipment						
	Cover hinges removable cover Gland plates Rising lugs Padlock for facility	Removable rising lugs Cover hinges removable cover 1 Gland plate	C rail in the enclosure Rising lugs	Cover hinges removable cover Gland plates Rising lugs Padlock for facility	C rail in the enclosure Rising lugs	Earthing screw inside

Accessories

Mounting plate Padlock	Mounting rail Earthing rail Mounting plate Spacer Hinge Rising lugs	Mounting plate Padlock	Mounting rail Earthing rail Mounting plate Spacer Hinge Rising lugs
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* © Sileone

Please specify ambient temperature of application when ordering and also note gasket material (e.g. -60 °C / silicone gasket)

Plastic enclosures



Klippon® POK

TBF

MPC

FPC

Material	Polyester GRP		Polycarbonate	
Environment	Indoors Outdoors		Indoors Outdoors	
Advantages	Maintenance-free Good electrical insulation Low weight		Maintenance-free Good electrical insulation Low weight resistant to diluted acids and chemicals	
Chemical resistance	good		good	
Sea water resistance	very good		very good	
UV-resistance	good		good	
Halogen-free	yes		yes	
Cadmium-free	yes		yes	
Characteristics	Klippon® POK	TBF	MPC	FPC
Lowest temperature	-40 °C (-66 °C)*	-50 °C	-60 °C	-60 °C
Highest continuous temperature	+90 °C (+100 °C)*	+130 °C	+130 °C	+130 °C
Flammability	V0	HBV2	V2	V2
Surface resistance	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰
Impact resistance	7 J	4/7 J	7 J	7 J
IP Protection class	66	66/67	66 + 67	66 + 67
ATEX approval	yes	-	-	-
Dimensions				
L x B x H (mm) mm	75 x 90 x 55	196 x 151 x 139	75 x 125 x 75	200 x 200 x 130
L x B x H (max) mm	250 x 400 x 160	603 x 603 x 210	175 x 250 x 100	400 x 600 x 130
Equipment				
	Earthing screw inside	Grey or transparent cover	Grey or transparent cover	Grey or transparent cover

Accessories

Mounting rail	Mounting plate	Mounting plate	Mounting plate
Earthing rail		Fang lugs	Fang lugs
Earth continuity plate (ECP), cruciform		Hinge	
Mounting plate			
Spacer			
Hinge			
Fang lugs			

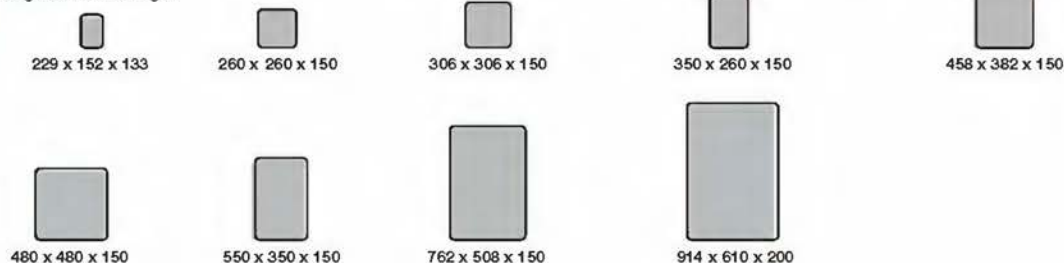
* © Silco

Please specify ambient temperature of application when ordering and also note gasket material (e.g. -60 °C / silicone gasket)

Overview of dimensions

Klippon® TB

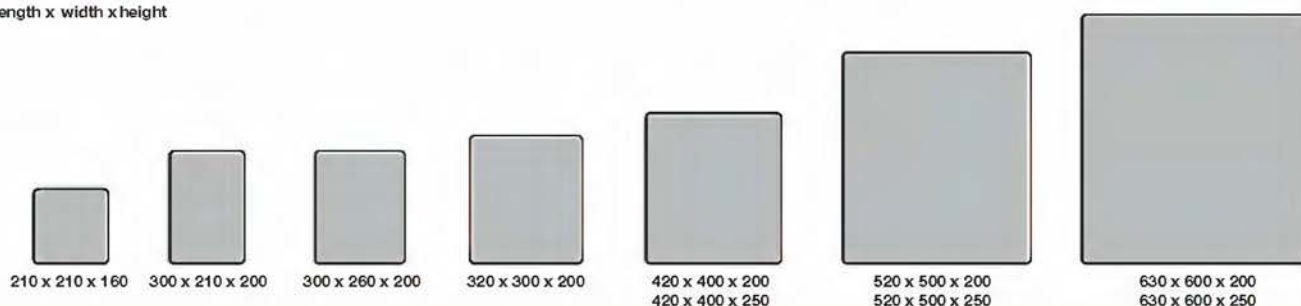
Length x width x height



Please note:
Other sizes available
on request

Klippon® JB

Length x width x height



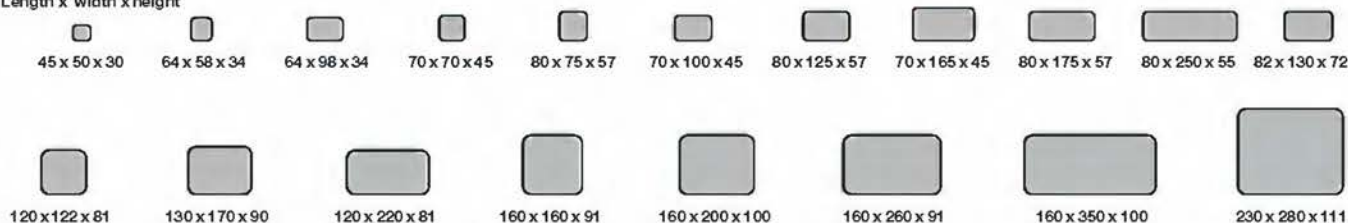
STB

Length x width x height



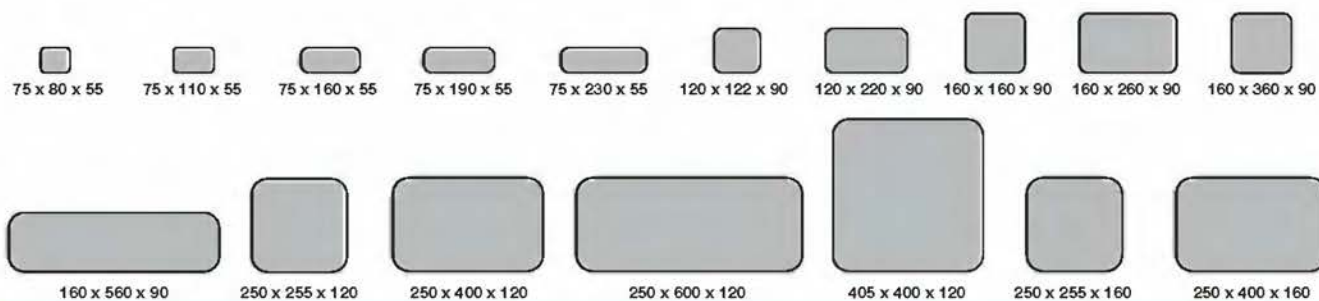
Klippon® K

Length x width x height

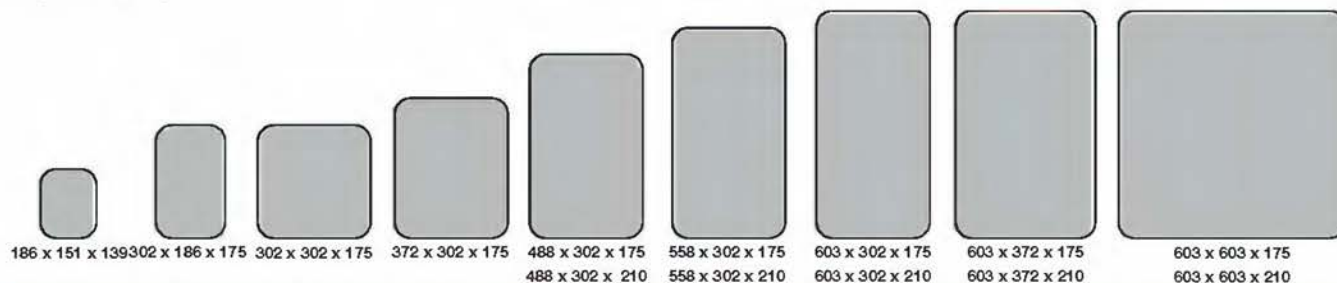


Klippon® POK

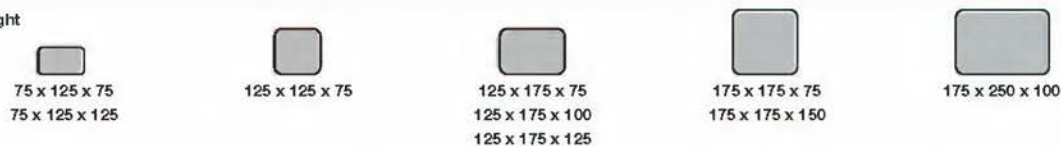
Length x width x height

**TBF**

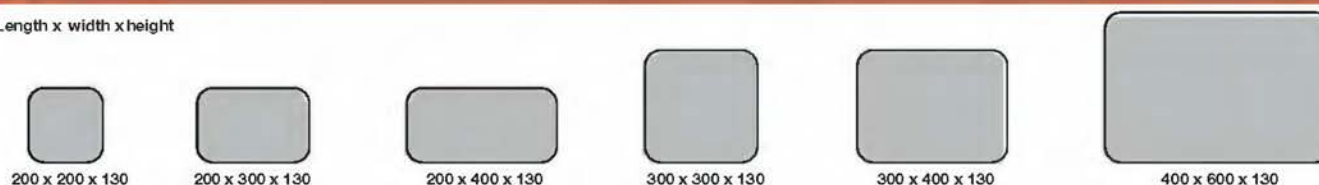
Length x width x height

**MPC**

Length x width x height

**FPC**

Length x width x height



Sheet steel enclosure for use in hazardous areas

Weidmüller has upgraded its classic Klippon® TB Series – designed especially for demanding applications:

- Oil
- Chemicals
- Water
- Gas
- Energy
- Recycling

Features:

- Electropolished stainless steel or painted sheet steel (RAL 7032)
- With 1, 2, 3 or 4 gland plates; optionally without gland plates
- Fully detachable lid
- Approved to the latest international standards
- High temperature gasket as standard

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data

Enclosure material	Mild steel or stainless steel 1.4404 (316L) 1.50 mm
Gland plate material	Mild steel or stainless steel 1.4404 (316L) 3.00 mm
Surface	Electropolished stainless steel or painted sheet metal, RAL 7032
Gaskets	Silicone
Cover fixing	Fully detachable cover lid with unique cover retaining system
Earthing	Internal / external Earthing stud M 10
Enclosure mounting	4 external lugs with 11 mm holes/slots
Equipment mounting	4 or 6 mounting pillars with M 6 threaded hole
Protection class	IP 66 and IP 67
Impact resistance	10 J
Temperature range	⊕ silicone gasket -60 °C bis +140 °C

Approvals

Note: The horizontal spacing of the fixing lugs is reduced by 30 mm in the versions without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions)

Ⓔ Baseefa06ATEX0010U	IECEx BAS.06.0003U
Ⓔ Baseefa06ATEX0011X	IECEx BAS.06.0004X
Ⓔ II 2GD Ex e II Ex TD A21	Ex e II Ex TD A21 IP 66 & IP 67

Overview of enclosures

Type H x W x D	TB 10-133	TB 10A-150	TB 11-150	TB 11A-150	TB 12-150	TB 12A-150
Stainless steel 1 Gland plate	0929000000	0929040000	0929120000	0929200000	0904720000	0904830000
Stainless steel 2 Gland plates	0929100000	0929050000	0929130000	0929210000	0904730000	0904840000
Stainless steel 3 Gland plates	0929200000	0929060000	0929140000	0929220000	0904740000	0904850000
Stainless steel 4 Gland plates	0929300000	0929070000	0929150000	0929230000	0904750000	0904860000
Sheet steel 1 Gland plate	0933000000	0934020000	0934140000	0934260000	0904760000	0904870000
Sheet steel 2 Gland plates	0933100000	0934030000	0934150000	0934270000	0904770000	0904880000
Sheet steel 3 Gland plates	0933200000	0934040000	0934160000	0934280000	0904780000	0904890000
Sheet steel 4 Gland plates	0933300000	0934050000	0934170000	0934290000	0904790000	0904900000

Type H x W x D	TB 12B-150	TB 13-150	TB 14-200
Stainless steel 1 Gland plate	0905040000	0905360000	0905600000
Stainless steel 2 Gland plates	0905050000	0905370000	0905610000
Stainless steel 3 Gland plates	0905060000	0905380000	0905620000
Stainless steel 4 Gland plates	0905070000	0905390000	0905630000
Sheet steel 1 Gland plate	0905080000	0905400000	0905640000
Sheet steel 2 Gland plates	0905090000	0905410000	0905650000
Sheet steel 3 Gland plates	0905100000	0905420000	0905660000
Sheet steel 4 Gland plates	0905110000	0905430000	0905670000

Note: 200 mm deep versions and alternative sizes are available on request

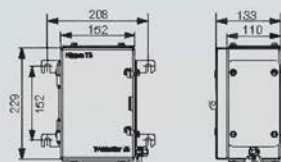
Sheet steel enclosures for use in hazardous area applications



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Height x Width x Depth mm
Weight (4 gland plates) g

Klippon TB10 - 133



229 x 152 x 133
4500

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0929000000
2 gland plates (top + bottom)	0929010000
3 gland plates (bottom + both sides)	0929020000
4 gland plates (all sides)	0929030000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0908430000
stainless steel	0908470000

Spacer, M6 x 8, set of 2

10 mm long	0936110000
16 mm long	0936120000
20 mm long	0936130000
30 mm long	0936140000

Padlock with five keys

Stainless steel	0906630000
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Technical data

Terminal content	vertical	horizontal
2.5 mm	1x9	1x25
4 mm	1x8	1x21
6 mm	1x6	1x16
10 mm	1x4	1x13
16 mm	1x4	1x11

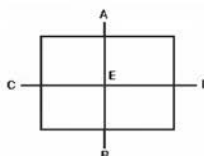
Note

The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the finger lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate version).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (finger clamp terminal) ZDU 2.5 16065 10000
TS 30 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	12	17
M 16	8	10
M 20	3	3
M 25	2	3
M 32	2	2
M 40	1	2
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note

** Our IP66 brass cable glands serve as evidence for these recommended values.
Lid: long enclosure feature 1/4 turn lid fastening system

Klippon® TB - Steel enclosures

Sheet steel enclosures for use in hazardous area applications



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Height x Width x Depth mm
Weight (4 gland plates) g

260 x 260 x 150
7000

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0929040000
2 gland plates (top + bottom)	0929060000
3 gland plates (bottom + both sides)	0929060000
4 gland plates (all sides)	0929070000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0908500000
stainless steel	0908490000

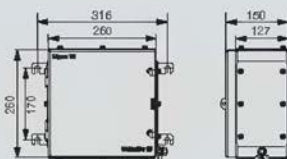
Spacer, M6 x 8, set of 2

10 mm long	0936110000
16 mm long	0936120000
20 mm long	0936130000
30 mm long	0936140000

Padlock with five keys

Stainless steel 0906630000

Klippon TB10A - 150



Technical data

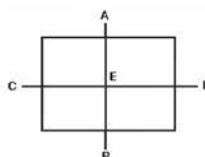
Terminal content	vertical	horizontal
2.5 mm	2x30	2x31
4 mm	2x25	2x26
6 mm	2x19	2x20
10 mm	2x15	2x16
16 mm	2x13	2x13

Note:
The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 0000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	27	21
M 16	21	17
M 20	10	8
M 25	9	7
M 32	4	3
M 40	3	2
M 50	2	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP66 brass cable glands serve as evidence for these recommended values.
Lid hinge enclosure feature 1/4 turn lid fastening system

Sheet steel enclosures for use in hazardous area applications



Height x Width x Depth	mm
Weight (4 gland plates)	g

Klippon TB11 - 150

306 x 306 x 150
8500

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0929120000
2 gland plates (top + bottom)	0929130000
3 gland plates (bottom + both sides)	0929140000
4 gland plates (all sides)	0929150000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

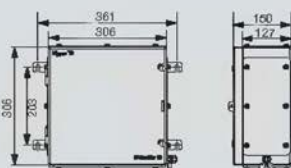
Mounting plate	Order No.
sheet steel, galvanised	0908520000
stainless steel	0908510000

Spacer, M6 x 8, set of 2

10 mm long	0936110000
16 mm long	0936120000
20 mm long	0936130000
30 mm long	0936140000

Padlock with five keys

Stainless steel	0906630000
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Technical data

Terminal content	vertical	horizontal
2.5 mm	2x29	2x40
4 mm	2x33	2x34
6 mm	2x25	2x26
10 mm	2x20	2x21
16 mm	2x17	

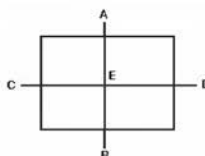
Note:

The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (flange clamp terminal) ZDU 2.5 16065 10000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKC 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	30	27
M 16	26	21
M 20	14	10
M 25	11	9
M 32	4	4
M 40	4	3
M 50	3	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note:

Note:

** Our IP66 brass cable glands serve as evidence for these recommended values.
Lid hinge enclosure feature 1/4 turn lid fastening system.

Klippon® TB - Steel enclosures

Sheet steel enclosures for use in hazardous area applications



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Height x Width x Depth mm
Weight (4 gland plates) g

350 x 260 x 150
8250

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0905200000
2 gland plates (top + bottom)	0905210000
3 gland plates (bottom + both sides)	0905220000
4 gland plates (all sides)	0905230000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0905540000
stainless steel	0905550000

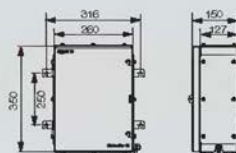
Spacer, M6 x 8, set of 2

10 mm long	0905110000
16 mm long	0905120000
20 mm long	0905130000
30 mm long	0905140000

Padlock with five keys

Stainless steel	0905630000
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Klippon TB11A - 150



Technical data

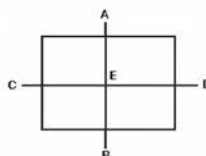
Terminal content	vertical	horizontal
2.5 mm	3x20	2x49
4 mm	3x25	2x41
6 mm	3x19	2x32
10 mm	3x15	2x25
16 mm	3x13	2x21

Note:
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 10000
TS 30 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	27	30
M 16	21	26
M 20	10	12
M 25	9	11
M 32	4	4
M 40	3	4
M 50	2	3
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP66 brass cable glands serve as evidence for these recommended values.
Lid: long enclosure feature 1/4 turn lid fastening system

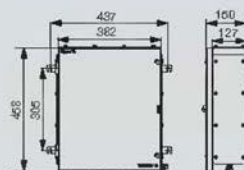
Sheet steel enclosures for use in hazardous area applications



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Height x Width x Depth mm
Weight (4 gland plates) g

Klippon TB12 - 150



Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0904720000
2 gland plates (top + bottom)	0904730000
3 gland plates (bottom + both sides)	0904740000
4 gland plates (all sides)	0904750000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0908500000
stainless steel	0908570000

Spacer, M6 x 8, set of 2

10 mm long	0936110000
16 mm long	0936120000
20 mm long	0936130000
30 mm long	0936140000

Padlock with five keys

Stainless steel	0906630000
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Technical data

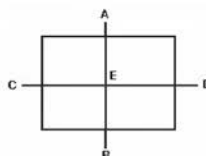
Terminal content	vertical	horizontal
2.5 mm	4x54	3x70
4 mm	4x46	3x59
6 mm	4x36	3x46
10 mm	4x28	3x36
16 mm	4x23	3x30

Note: The assembly with modular terminal includes a 10 mm space at each end of the terminal rail. The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (flange clamp terminal) ZDU 2.5 10065 10000
TS 35 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	42	45
M 16	33	36
M 20	16	18
M 25	13	15
M 32	6	6
M 40	5	5
M 50	4	4
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP66 brass cable glands serve as reference for these recommended values.
Lid hinge enclosure feature M6 screw lid fastening system.

Klippon® TB - Steel enclosures

Sheet steel enclosures for use in hazardous area applications



Height x Width x Depth mm
Weight (4 gland plates) g

480 x 480 x 150
15000

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0904800000
2 gland plates (top + bottom)	0904800000
3 gland plates (bottom + both sides)	0904900000
4 gland plates (all sides)	0904910000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0908600000
stainless steel	0908500000

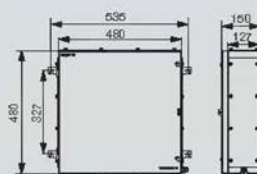
Spacer, M6 x 8, set of 2

10 mm long	0906100000
16 mm long	0906120000
20 mm long	0906130000
30 mm long	0906140000

Padlock with five keys

Stainless steel	0906600000
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Klippon TB12A - 150



Technical data

Terminal content	vertical	horizontal
2.5 mm	4x73	4x75
4 mm	4x61	4x62
6 mm	4x47	4x48
10 mm	4x38	4x38
16 mm	4x31	4x32

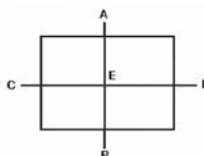
Note

The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 10065 0000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	51	48
M 16	42	38
M 20	22	20
M 25	18	16
M 32	7	6
M 40	6	5
M 50	5	4
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note

** Our IP66 brass cable glands serve as reference for these recommended values.
Lid lugs enclosure feature M6 screw lid fastening system.

Sheet steel enclosures for use in hazardous area applications



Height x Width x Depth	mm
Weight (4 gland plates)	g

Ordering data

stainless steel	Order No.
1 gland plate (bottom)	0906040000
2 gland plates (top + bottom)	0906050000
3 gland plates (bottom + both sides)	0906060000
4 gland plates (all sides)	0906070000

Note 200 mm deep versions and alternative sizes are available on request.

Accessories

Mounting plate

sheet steel, galvanised	Order No. 0908620000
stainless steel	0908610000

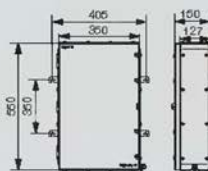
Spacer, M6 x 8, set of 2

10 mm long	0935110000
15 mm long	0935120000
20 mm long	0935130000
30 mm long	0935140000

Padlock with two keys

Stainless steel	0906630000
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Klippon TB12B - 150



Technical data

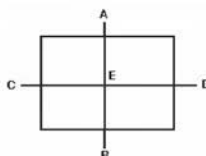
Terminal content	vertical	horizontal
2.5 mm	5x48	3x88
4 mm	5x40	3x74
6 mm	5x31	3x67
10 mm	5x24	3x45
16 mm	5x20	3x38

The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the finger lugs is reduced by 30 mm in the versions without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (spring clamp terminal) ZDU 2.5 16065 0000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKC 2 5 0597 0000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	36	54
M 16	30	45
M 20	16	24
M 25	13	19
M 32	5	8
M 40	4	6
M 50	3	5
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP68 brass cable glands serve as reference for these recommended values.
Lid-bong enclosure features M5 screw lid fastening system.

Klippon® TB - Steel enclosures

Sheet steel enclosures for use in hazardous area applications



n

Height x Width x Depth mm
Weight (4 gland plates) g

762 x 508 x 150
21750

Ordering data

Material	Order No.
stainless steel	
1 gland plate (bottom)	0906300000
2 gland plates (top + bottom)	0906370000
3 gland plates (bottom + both sides)	0906380000
4 gland plates (all sides)	0906390000

Note: 200 mm deep versions and alternative sizes are available on request

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0906600000
stainless steel	0906650000

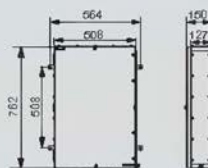
Spacer, M6 x 8, set of 2

10 mm long	0906110000
16 mm long	0906120000
20 mm long	0906130000
30 mm long	0906140000

Padlock with five keys

Stainless steel	0906630000
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Klippon TB13 - 150



Technical data

Terminal content	vertical	horizontal
2.5 mm	7x29	4x128
4 mm	7x66	4x107
6 mm	7x51	4x82
10 mm	7x40	4x66
16 mm	7x34	4x54

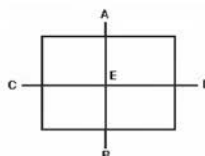
Note

The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
The horizontal spacing of the ring lugs is reduced by 30 mm in the version without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 1606510000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	57	81
M 16	45	66
M 20	24	34
M 25	20	29
M 32	8	11
M 40	7	10
M 50	5	8
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note

** Our IP66 brass cable glands serve as a reference for these recommended values.
Lid lugs enclosure feature M6 screw lid fastening system.

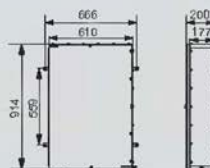
Sheet steel enclosures for use in hazardous area applications



n

Height x Width x Depth mm
Weight (4 gland plates) g

Klippon TB14 - 200



Ordering data

Material	Order No.
stainless steel	0906600000
1 gland plate (bottom)	0906610000
2 gland plates (top + bottom)	0906620000
3 gland plates (bottom + both sides)	0906630000
4 gland plates (all sides)	0906640000

Note: 200 mm deep versions and alternative sizes are available on request.

Accessories

Mounting plate	Order No.
sheet steel, galvanised	0906650000
stainless steel	0906660000

Spacer, M6 x 8, set of 2

10 mm long	0906670000
16 mm long	0906680000
20 mm long	0906690000
30 mm long	0906700000

Padlock with five keys

Stainless steel	0906710000
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Technical data

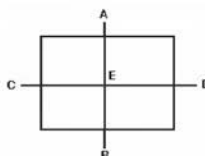
Terminal content	vertical	horizontal
2.5 mm	8x99	8x157
4 mm	8x83	8x132
6 mm	8x64	8x101
10 mm	8x51	8x81
16 mm	8x42	8x67

Note: The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. The horizontal spacing of the ring lug is reduced by 30 mm in the versions without gland plates on the sides (i.e. 0, 1 or 2 gland plate versions).
Recommended:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 10065 10000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	135	198
M 16	96	135
M 20	42	62
M 25	24	54
M 32	18	28
M 40	16	24
M 50	7	10
M 63	5	7

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.
Lid hinge enclosure feature M6 screw lid fastening system.

Sheet steel enclosure for industrial and harsh environmental applications

For many decades the name Klippon® has become the synonym for competence and quality in our proven range of enclosures and customer solutions for standard industrial and harsh environment applications. We now continue this philosophy, with the introduction of the new Klippon® JB range of stainless steel enclosures.

Features:

- Brushed stainless steel 1.4404 (316L)
- 10 sizes (available in 2 standard depths)
- Increased flexibility of terminal mounting
- High temperature gasket as standard
- A gland plate design that enables an optimum number of cable entries
- Approved to the latest international standards

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data

Material	Stainless steel 1.4404 (316L), enclosure 1.5 mm, cover 2.0 mm
Material flange	Stainless steel 1.4404 (316L), 2 mm
Surface	Brushed, grit 240
Cover lid Gasket	Cover lid with non-outgassing silicon seal, circular
Earthing, exterior	M 10 thread receiver with stainless steel screw
Earthing, interior	M 6x15 threaded bolt in enclosure and cover
Enclosure mounting	4 fixing plates for vertical and horizontal wall mounting
Installation options, optional	Direct mounting of up to 5 mounting rails On mounting plate with up to 6 mounting rails With T&S 20, up to 6 mounting rails
Protection class	IP 66, IP 67, IP 68 and NEMA 4x
Impact resistance	10 J
Temperature range	-60 °C to +135 °C

Approvals

KEMA 06ATEX141 U	
Ⓔ II 2 GD	EEx e II IP66/IP68
KEMA 06ATEX104	
Ⓔ II 2 GD	EEx e... II... T6... T3
Ⓔ II 1 GD	EEx ia... T6... T3
Ⓔ II 3 GD	EEx nA... II... T6... T3
cULus E243293	GL (Germanischer Lloyd) No. 32576-06 HH LfB 03/20039

Overview of enclosures

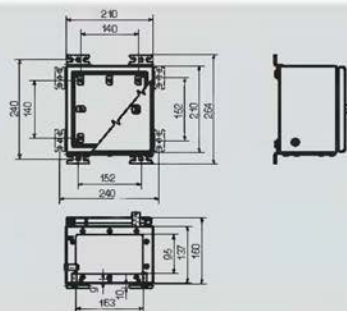
Type H x W x D	210 x 210 x 160	300 x 210 x 200	300 x 260 x 200	320 x 300 x 200	420 x 400 x 200	420 x 400 x 250
Stainless steel	1907410000	1907420000	1907430000	1907440000	1907450000	1907460000
Type H x W x D	520 x 500 x 200	520 x 500 x 250	630 x 600 x 200	630 x 600 x 250		
Stainless steel	1907470000	1907480000	1907490000	1907500000		

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

Klippon JB 21/21/16



210 x 210 x 160
3600

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907410000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908750000

Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909030000

Earth bar, horizontal, set	Order No.
with connection points	1908220000

Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908890000

Mounting plate	Order No.
sheet steel, galvanised	1908670000

Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000

Mounting feet, Replacement, set of 4	Order No.
	1910610000

Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000

Note Sets also include any fasteners necessary.
* for use with IP65 only

Technical data

Terminal content	vertical	horizontal
2.5 mm	1x23	1x23
4 mm	1x20	1x20
6 mm	1x16	1x16
10 mm	1x12	1x12
16 mm	1x10	1x10

Note

When assembling with T&S (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 1606510000

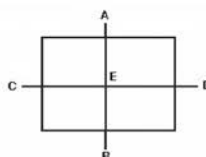
TS 30 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	16	
M 20	8	
M 25	7	
M 32	3	
M 40	2	
M 50	1	
M 63	1	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as reference for these recommended values.

Klippon® JB - Steel enclosures

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

300 x 210 x 200
4800

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907420000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908760000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909040000



Earth bar, horizontal, set	Order No.
with connection points	1908330000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908900000



Mounting plate	Order No.
sheet steel, galvanised	1908630000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000

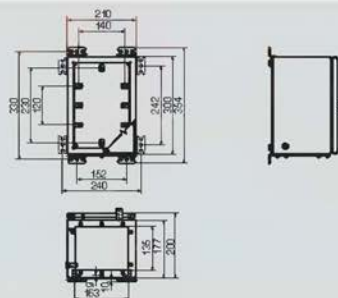


Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note: Sets also include any fasteners necessary.
* for use with IP65 only

Klippon JB 30/21/20



Technical data

Terminal content		vertical	horizontal
	2.5 mm	1x41	2x23
	4 mm	1x34	2x20
	6 mm	1x26	2x16
	10 mm	1x21	2x12
	16 mm	1x18	2x10

Note

When assembling with TAS (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recomendation:

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 1606510000

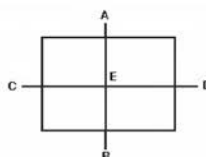
TS 30 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	20	
M 20	12	
M 25	9	
M 32	4	
M 40	2	
M 50	2	
M 63	1	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP65 brass cable glands serve as reference for these recommended values.

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

300 x 260 x 200
5600

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907430000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908770000

Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909050000

Earth bar, horizontal, set	Order No.
with connection points	1908400000

Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908910000

Mounting plate	Order No.
sheet steel, galvanised	1908690000

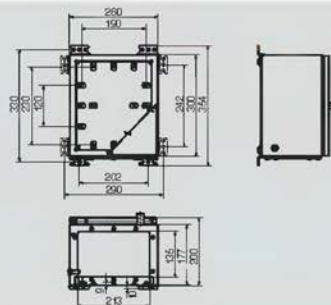
Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000

Mounting feet, Replacement, set of 4	Order No.
	1910610000

Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000

Note Sets also include any fasteners necessary.
* for use with IP65 only

Klippon JB 30/26/20



Technical data

Terminal content	vertical	horizontal
2.5 mm	2x41	2x33
4 mm	2x34	2x28
6 mm	2x26	2x21
10 mm	2x21	2x17
16 mm	2x18	2x14

Note

When assembling with TAS (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Reconnectable

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 1606510000

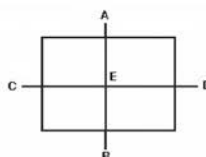
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	28	
M 20	15	
M 25	15	
M 32	6	
M 40	5	
M 50	2	
M 63	2	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as reference for these recommended values.

Klippon® JB - Steel enclosures

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

320 x 300 x 200
6900

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907400000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908700000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909060000



Earth bar, horizontal, set	Order No.
with connection points	1908500000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908920000



Mounting plate	Order No.
sheet steel, galvanized	1908700000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000

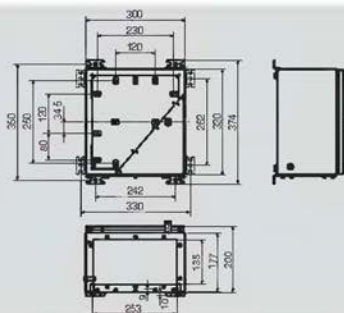


Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note: Set also include any long necessary
* for use with IP65 only

Klippon JB 32/30/20



Technical data

Terminal content	vertical	horizontal
2.5 mm	2x46	2x41
4 mm	2x37	2x34
6 mm	2x29	2x26
10 mm	2x23	2x21
16 mm	2x19	2x18

Note

When assembling with T&S (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 1606510000

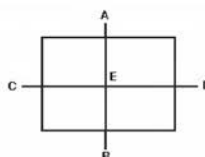
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	32	
M 20	21	
M 25	18	
M 32	8	
M 40	6	
M 50	3	
M 63	2	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

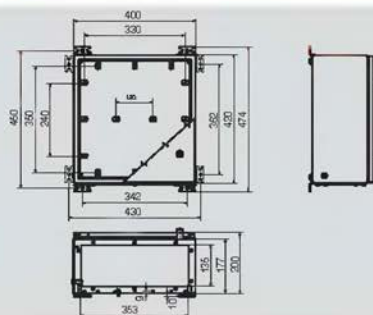
Note: ** Our IP65 brass cable glands serve as reference for these recommended values.

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

Klippon JB 42/40/20



420 x 400 x 200
9500

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907450000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908790000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909070000



Earth bar, horizontal, set	Order No.
with connection points	1908360000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908930000



Mounting plate	Order No.
sheet steel, galvanized	1908710000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000



Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note: Sets also include any fasteners necessary.
* for use with IP65 only

Technical data

Terminal content	vertical	horizontal
2.5 mm	3x62	3x60
4 mm	3x62	3x60
6 mm	3x40	3x39
10 mm	3x32	3x31
16 mm	3x27	3x26



Note: When assembling with T&G (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation:

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (flange clamp terminal) ZDU 2.5 1606510000

TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

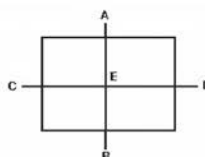
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	44	
M 20	27	
M 25	24	
M 32	12	
M 40	8	
M 50	4	
M 63	3	



Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP65 brass cable glands serve as reference for these recommended values.

Klippon® JB - Steel enclosures

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

420 x 400 x 250
10400

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907400000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908790000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909070000



Earth bar, horizontal, set	Order No.
with connection points	1908300000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908930000



Mounting plate	Order No.
sheet steel, galvanized	1908710000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000

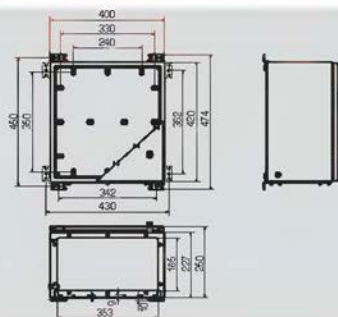


Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note Set also include any long necessary
* for use with IP65 only

Klippon JB 42/40/25



Technical data

Terminal content	vertical	horizontal
2.5 mm	3x62	3x60
4 mm	3x52	3x50
6 mm	3x40	3x39
10 mm	3x32	3x31
16 mm	3x27	3x26

Note

When assembling with TAC (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (flange clamp terminal) ZDU 2.5 1606510000

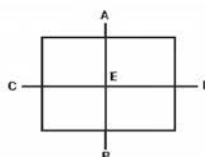
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	66	
M 20	45	
M 25	32	
M 32	18	
M 40	10	
M 50	8	
M 63	5	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as reference for these recommended values.

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

520 x 500 x 200
15300

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907470000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908800000

Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909030000

Earth bar, horizontal, set	Order No.
with connection points	1908870000

Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908940000

Mounting plate	Order No.
sheet steel, galvanised	1908720000

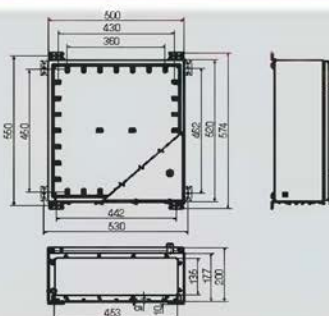
Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000

Mounting feet, Replacement, set of 4	Order No.
	1910610000

Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000

Note Sets also include any fasteners necessary.
* for use with IP65 only

Klippon JB 52/50/20



Technical data

Terminal content		vertical	horizontal
	2.5 mm	4x83	4x79
	4 mm	4x70	4x66
	6 mm	4x53	4x51
	10 mm	4x43	4x41
	16 mm	4x35	4x43

Note

When assembling with TAS (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 1606510000

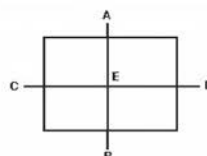
TS 35 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.2 5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	56	
M 20	36	
M 25	20	
M 32	14	
M 40	11	
M 50	6	
M 63	4	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as a reference for these recommended values.

Klippon® JB - Steel enclosures

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

520 x 500 x 250
16500

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907400000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908000000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909000000



Earth bar, horizontal, set	Order No.
with connection points	1908070000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908940000



Mounting plate	Order No.
sheet steel, galvanised	1908720000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000

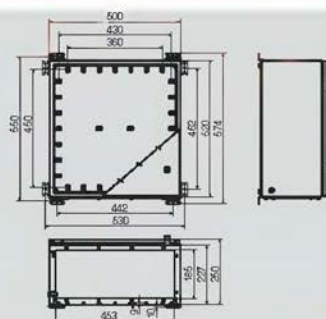


Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note Set also include any fasteners necessary.
* form E/Use / IP65 only

Klippon JB 52/50/25



Technical data

Terminal content	vertical	horizontal
2.5 mm	4x83	4x79
4 mm	4x70	4x66
6 mm	4x53	4x51
10 mm	4x43	4x41
16 mm	4x35	4x34



Note

When assembling with TAC (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (lever clamp terminal) ZDU 2.5 16065 0000

TS 35 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

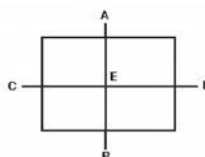
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	84	
M 20	60	
M 25	40	
M 32	21	
M 40	12	
M 50	10	
M 63		



Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as reference for these recommended values.

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

630 x 600 x 200
18900

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907490000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908810000

Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909090000

Earth bar, horizontal, set	Order No.
with connection points	1908800000

Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908950000

Mounting plate	Order No.
sheet steel, galvanised	1908730000

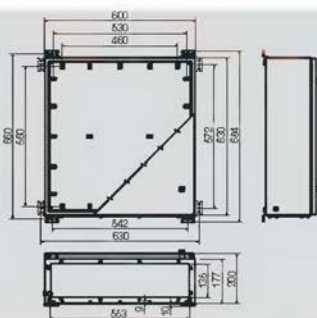
Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000

Mounting feet, Replacement, set of 4	Order No.
	1910610000

Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000

Note Sets also include any fasteners necessary.
* for use with IP65 only

Klippon JB 63/60/20



Technical data

Terminal content	vertical	horizontal
2.5 mm	6x103	6x98
4 mm	6x87	6x83
6 mm	6x66	6x63
10 mm	6x53	6x51
16 mm	6x44	6x42

Note

When assembling with TAS (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 10000

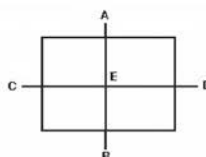
TS 30 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	68	
M 20	45	
M 25	38	
M 32	18	
M 40	14	
M 50	6	
M 63	5	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as a reference for these recommended values.

Klippon® JB - Steel enclosures

Stainless steel enclosure for general purpose or harsh environment use



Height x Width x Depth mm
Weight g

630 x 600 x 250
20200

Ordering data

stainless steel, brushed	Order No.
1 gland plate (bottom)	1907500000

Note

Accessories

Terminal rail, vertical, set	Order No.
35 mm wide	1908310000



Terminal rail mounting, vertical, set	Order No.
C-profile rails, 20 mm wide	1909090000



Earth bar, horizontal, set	Order No.
with connection points	1908330000



Bus bar 10 x 3 mm, horizontal, set	Order No.
	1908950000



Mounting plate	Order No.
sheet steel, galvanised	1908730000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Mounting feet, Replacement, set of 4	Order No.
	1910610000

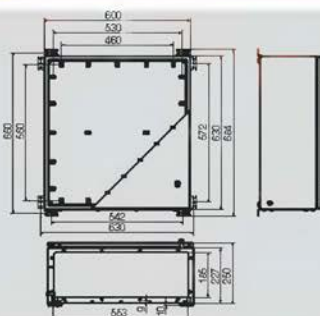


Locking options, Replacement, set	Order No.
2-way key bit	1910640000
Square, 7 mm	1910650000
Spade key	1907270000
Wing knob + key*	1910630000



Note Set also include any fasteners necessary
* for use with IP65 only

Klippon JB 63/60/25



Technical data

Terminal content	vertical	horizontal
2.5 mm	6x103	6x98
4 mm	6x87	6x83
6 mm	6x66	6x63
10 mm	6x53	6x51
16 mm	6x44	6x42

Note

When assembling with TAC (C-profile), the 60 mm spacing between the terminal rails can be reduced so that more rails can be incorporated. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.

Recommendation

TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (screw clamp terminal) ZDU 2.5 16065 0000

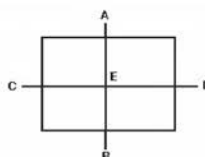
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000

TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12		
M 16	108	
M 20	76	
M 25	48	
M 32	27	
M 40	14	
M 50	12	
M 63	9	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP65 brass cable glands serve as reference for these recommended values.

Small sheet steel enclosures

The STB series is designed to be used as an electrical distribution enclosure, particularly for lighting and weighing applications and also in building automation systems. The stainless steel versions are recommended for the chemical and food industry due to the harsh environmental demands required.

Features:

- 8 sizes in 2 material versions
- Lid with 4 hexagonal crosshead screws M 6
- Internal/External earthing stud
- Fixing lugs



Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.

Technical data

Material	Sheet steel or stainless steel 316L 1.50 mm
Surface painted	Light grey textured protective paint (similar to RAL 7032)
Surface stainless steel	Polished, chemically dipped
Gasket size 1 - 4	Chloroprene solid rubber (silicone optional)
Gasket size 5 - 6	Chloroprene closed cell sponge (silicone optional)
Cover lid fixing	4 captive hexagonal crosshead screws M 6
Earthing	Internal/External brass earthing stud M 6
Enclosure mounting	External mounting lugs with 8 mm holes
Equipment mounting	TAS 20 rail welded to enclosure base
Protection class	IP 66
Impact resistance	7 J
Temperature range	-20 °C to +85 °C (E); silicone -60 °C to +135 °C

Approvals

Temperature range -60 °C to +135 °C (silicone)

CEMA (2ATEX2087 U

II 2 GD EEx e II

CEMA 00ATEX8500 X

II 2 G EEx e II

II 2 D T100°C

II 1 G EEx ia IIC T6

II 2 D T100°C

II 2 (T) G EEx e [ia] IIC T6

II 2 D T100°C

Overview of enclosures

Type H x W x D	120 x 120 x 80	150 x 120 x 80	150 x 150 x 90	190 x 150 x 90	190 x 190 x 100	250 x 250 x 120
Stainless steel	3873300000	9524780000	3873700000	9524800000	9513890000	9513820000
Sheet steel painted (RAL 7032)	3873100000	9524770000	3873500000	9524790000	9513870000	9513900000
Type H x W x D	160 x 380 x 120	250 x 400 x 130				
Stainless steel	9505800000	9505310000				
Sheet steel painted (RAL 7032)	9505600000	9505270000				

Note: Please specify ambient temperature of application when ordering and also note gasket material (e.g. -60 °C / silicone gasket)

Sheet steel enclosure for small distribution units



Height x Width x Depth mm 120 x 120 x 80
Weight g 1400

Ordering data

stainless steel	Order No. 3873300000
paints sheet steel, RAL 7032	3873100000

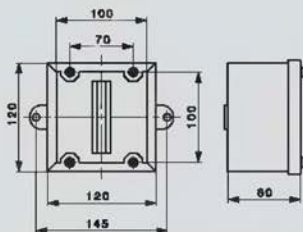
Note Please state the ambient temperature of the enclosure when ordering (e.g. 50°C/100°F).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 1



Technical data

Terminal content	vertical	horizontal
2.5 mm	1x7	1x11
4 mm	1x6	1x9
6 mm	1x5	1x7
10 mm	1x4	1x6
16 mm	1x3	1x5

Note

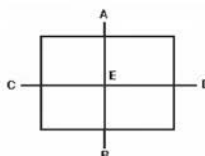
Terminal rails should be fitted directly.
The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 10000
TS 35 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0597 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	8	9
M 16	6	6
M 20	3	4
M 25	2	2
M 32	1	1
M 40		1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

150 x 120 x 80
1550

Ordering data

stainless steel	Order No.
	9524780000
Painted sheet steel, RAL 7032	
	9524770000

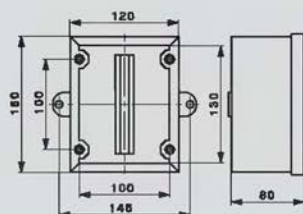
Note: Please state the ambient temperature of the enclosure when ordering (e.g. 50°C/100°F).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 1.1



Technical data

Terminal content	vertical	horizontal
2.5 mm	1x13	1x11
4 mm	1x11	1x9
6 mm	1x8	1x7
10 mm	1x7	1x6
16 mm	1x5	1x5

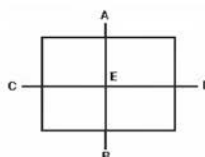
Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (lever clamp terminal) ZDU 2.5 16065 0000 TS 35 DIN Rail (screw clamp terminal) SAK 2.5 0279660000 TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	11	14
M 16	6	8
M 20	5	6
M 25	2	3
M 32	1	2
M 40	1	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note: ** Our IP56 brass cable glands serve as a reference for these recommended values.

Sheet steel enclosure for small distribution units



Height x Width x Depth mm 150 x 150 x 90
Weight g 1900

Ordering data

stainless steel	Order No. 3873700000
painter sheet steel, RAL 7032	3873500000

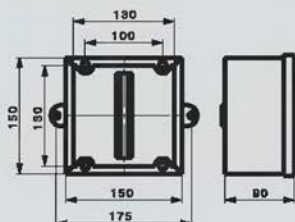
Note Please state the ambient temperature of the enclosure when ordering (e.g. 50°C silicone seal)

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 2



Technical data

Terminal content	vertical	horizontal
2.5 mm	1x13	1x11
4 mm	1x11	1x9
6 mm	1x8	1x7
10 mm	1x7	1x6
16 mm	1x6	1x5



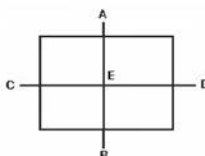
Note Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Reconnection:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 10000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	10	14
M 16	10	8
M 20	4	6
M 25	3	3
M 32	2	2
M 40		1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note

Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth mm 190 x 150 x 90
Weight g 1960

Ordering data

stainless steel	Order No.
	9524800000
Painted sheet steel, RAL 7032	
	9524790000

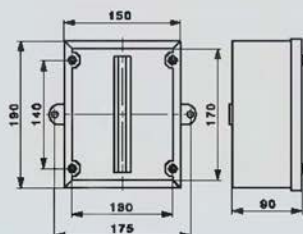
Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/alkaline soil)

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 2.1



Technical data

Terminal content	vertical	horizontal
2.5 mm	1x21	1x11
4 mm	1x17	1x9
6 mm	1x13	1x7
10 mm	1x10	1x6
16 mm	1x9	1x5

Note

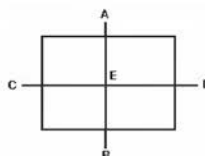
Terminal ribs should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (lever clamp terminal) ZDU 2.5 16065 0000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0597 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	10	20
M 16	10	12
M 20	4	8
M 25	3	4
M 32	2	3
M 40		2
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

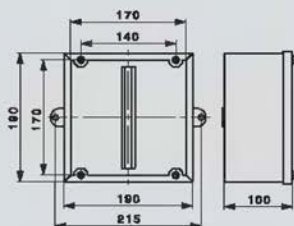
Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

Sheet steel enclosure for small distribution units



Height x Width x Depth mm
Weight g

STB 3



190 x 190 x 100
3000

Ordering data

stainless steel	Order No. 9513890000
paints sheet steel, RAL 7032	Order No. 9513870000

Note Please state the ambient temperature of the enclosure when ordering (e.g. 50°C silicone seal)

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



Technical data

Terminal content	vertical	horizontal
2.5 mm	1x21	1x11
4 mm	1x17	1x9
6 mm	1x13	1x7
10 mm	1x10	1x6
16 mm	1x9	1x5

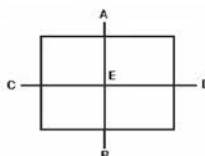
Note
Terminal ribs should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 16065 10000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	21	21
M 16	12	19
M 20	10	8
M 25	4	7
M 32	3	3
M 40	2	2
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

250 x 250 x 120
3700

Ordering data

stainless steel	Order No.
	9513920000
Painted sheet steel, RAL 7032	
	9513900000

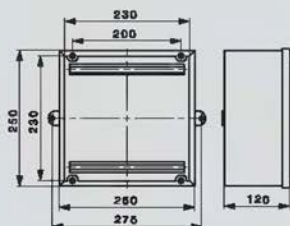
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcône 50°).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 4



Technical data

Terminal content	vertical	horizontal
2.5 mm	2x21	1x32
4 mm	2x26	1x27
6 mm	2x19	1x20
10 mm	2x15	1x16
16 mm	2x13	1x14

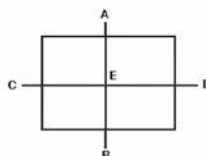
Note:

Terminal ribs should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 160510000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	44	38
M 16	30	32
M 20	23	20
M 25	12	10
M 32	5	7
M 40	4	3
M 50	3	2
M 63		1

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note:

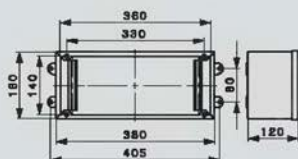
Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 5



Ordering data

stainless steel	Order No.
	9505300000
Painted sheet steel, RAL 7032	
	9505200000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. 50°C silicone seal).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



Technical data

Terminal content	vertical	horizontal
2.5 mm	3x16	1x54
4 mm	3x13	1x45
6 mm	3x9	1x34
10 mm	3x7	1x27
16 mm	3x6	1x23

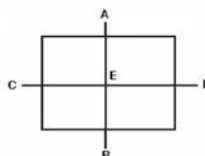
Note: Terminal ribs should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (fension clamp terminal) ZDU 2.5 15065 10000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0597 160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	64	20
M 16	42	18
M 20	33	11
M 25	18	6
M 32	7	4
M 40	6	2
M 50	4	1
M 63		1

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

250 x 400 x 130
5400

Ordering data

stainless steel	Order No.
	9505310000
Painted sheet steel, RAL 7032	
	9505270000

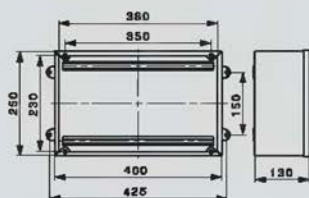
Note: Please state the ambient temperature of the enclosure when ordering (e.g. 50°C alkaline soil).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000



STB 6



Technical data

Terminal content		vertical	horizontal
2.5 mm		3x21	1x51
4 mm		3x26	1x51
6 mm		3x19	1x39
10 mm		3x15	1x31
16 mm		3x13	1x26

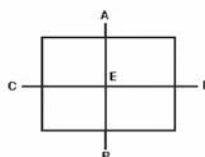
Note:

Terminal ribs should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 4020000000 / (screw clamp terminal) ZDU 2.5 1606510000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AK 2.5 0597160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	95	48
M 16	60	32
M 20	35	20
M 25	18	10
M 32	14	8
M 40	6	3
M 50	6	2
M 63	4	2

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note:

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

Aluminium enclosures

The enclosures of the Klippon® K series can be used for a variety of applications, e.g. for mounting terminals, switches, power supplies, operational and display elements or electronic subassemblies.

Features:

- 19 sizes in 2 versions
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails and mounting plates

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data	Standard	ATEX
Material	High-quality aluminium alloy (Al-Si12)	High-quality aluminium alloy (Al-Si12)
Surface, untreated	Smooth	Smooth
Surface, painted	Silver-grey textured, similar to RAL 7001	
Paint	40 µm paint thickness	
Gasket	Chloroprene CR (Silicone optional)	Chloroprene CR (Silicone optional)
Cover fastener	Captive stainless steel slotted / crosshead screws	Captive stainless steel slotted / crosshead screws
Earthing external		Stainless steel earthing stud M4
Protection class	IP 66, IP 67 and IP 68	IP 66 and IP 67
Impact resistance	10 J	7 J
Temperature range	-40 °C to +80 °C	-40 °C to +80 °C (⑥ silicone -60 °C to +135 °C)

Note: Heat-cool inserts and aluminium Torx screws are available on request

Approvals

KEMA 02ATEX0388 U

⑥ II 2 GD Ex e II IP 66/IP67

KEMA 00ATEX0501 X

⑥ II 2 GD Ex e II T6/T3 IP66/IP67

⑥ II 1 GD Ex ia IIC T6/T3 IP66/IP67

⑥ II 2 (T) GD Ex e (ia) IIC T6/T3 IP66/IP67

cULus E197051

Overview of enclosures

Type H x W x D	45 x 50 x 30	59 x 64 x 34	64 x 98 x 34	70 x 70 x 45	90 x 75 x 57	70 x 100 x 45	80 x 125 x 57
Untreated, standard	0573200000	1565240000	1565250000	0342000000	0573300000	0342400000	0573400000
Untreated, for hazardous areas (Ex)	9526310000	9526320000	9526330000	9526340000	9526350000	9526360000	9526370000
Painted, standard	9529080000	9529100000	9529110000	9529120000	9529130000	9529140000	9529150000
Type H x W x D	70 x 165 x 45	80 x 175 x 57	80 x 250 x 55	82 x 130 x 72	120 x 122 x 81	130 x 170 x 90	120 x 220 x 81
Untreated, standard	0342200000	0573500000	1565260000	0342300000	1565270000	0342400000	1565280000
Untreated, for hazardous areas (Ex)	9526380000	9526390000	9526400000	9526410000	9526420000	9526430000	9526440000
Painted, standard	9529160000	9529170000	9529180000	9529190000	9529200000	9529210000	9529220000
Type H x W x D	160 x 160 x 91	160 x 200 x 100	160 x 250 x 91	160 x 350 x 100	230 x 290 x 111		
Untreated, standard	1565290000	0342500000	0573600000	0342600000	0573700000		
Untreated, for hazardous areas (Ex)	9526500000	9526510000	9526520000	9526530000	9526540000		
Painted, standard	9529230000	9529240000	9529250000	9529260000	9529270000		

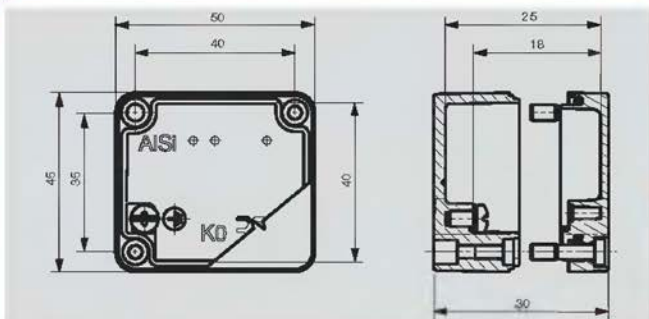
Note: Please specify ambient temperature of application when ordering and also note gasket material (e.g. -60 °C / silicone gasket)

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

K 0



45 x 50 x 30
65

Ordering data

natural finish	standard	Order No.
		0573200000
Enclosure for hazardous areas (Ex)		9526810000
Painted, RAL 7001	standard	Order No.
		9529090000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	Order No.
Earth bar, set	
Butt bar 10 x 5 mm, set	
Mounting plate	
Spacer, M5 x 8, set of 2	
Hinges, diecast aluminium, set	
Mounting feet, set of 4	

Note: Sets also include any fixings necessary.

Technical data

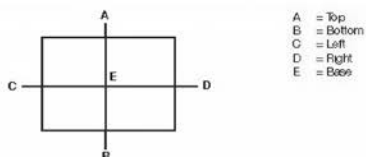
Terminal content	vertical	horizontal
	2.5 mm	
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use EK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12: 1	1
	M 16: 1	1
	M 20: 1	
	M 25: 1	
	M 32: 1	
	M 40: 1	
	M 50: 1	
	M 63: 1	

Enclosure sides - ID



Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

64 x 58 x 34
120

Ordering data

natural finish	standard	Order No.
		1565240000
Enclosure for hazardous areas (Ex)		9526320000
Painted, RAL 7001	standard	Order No.
		9529100000

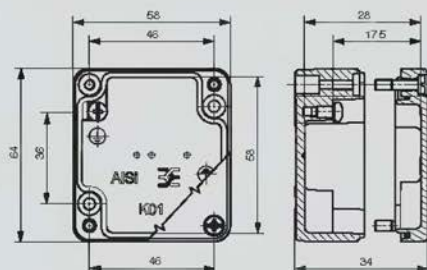
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alclore steel)

Accessories

Terminal rail, set	Order No.
Earth bar, set	
Butt bar 10 x 5 mm, set	
Mounting plate	
Spacer, M5 x 8, set of 2	
Hinges, diecast aluminium, set	
Mounting feet, set of 4	

Note: Sets also include any fittings necessary

K 01



Technical data

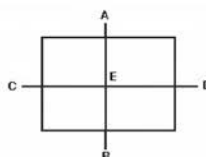
Terminal content	vertical	horizontal
	2.5 mm	*
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use EK terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12: 1	1
	M 16: 1	1
	M 20: 1	
	M 25: 1	
	M 32: 1	
	M 40: 1	
	M 50: 1	
	M 63: 1	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP65 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

64 x 98 x 34
200

Ordering data

natural finish	Order No.
standard	1565250000
Enclosure for hazardous areas (Ex)	9526330000
Painted, RAL 7001	Order No.
standard	9529110000

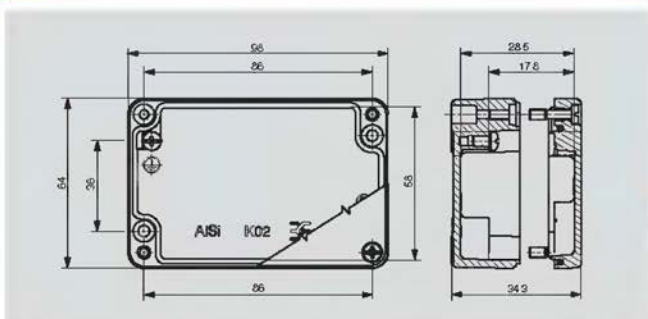
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	Order No.
Earth bar, set	Order No.
Butt bar 10 x 5 mm, set	Order No.
Mounting plate	Order No.
Spacer, M5 x 8, set of 2	Order No.
Hinges, diecast aluminium, set	Order No.
Mounting feet, set of 4	Order No.

Note: Sets also include any fixings necessary.

K 02



Technical data

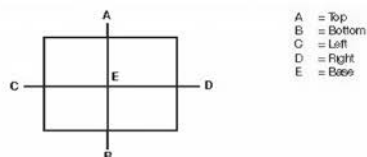
Terminal content	vertical	horizontal
	2.5 mm	*
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12: 1	3
	M 16: 1	3
	M 20: 1	
	M 25: 1	
	M 32: 1	
	M 40: 1	
	M 50: 1	
	M 63: 1	

Enclosure sides - ID



Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

70 x 70 x 45
220

Ordering data

natural finish	standard	Order No.
		0342000000
Enclosure for hazardous areas (Ex)		9526840000
Painted, RAL 7001	standard	9529120000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcône steel).

Accessories

Terminal rail, set	15 mm wide	Order No.
		1909900000



Earth bar, set



Butt bar 10 x 5 (mm), set



Mounting plate



sheet steel, galvanised 1905200000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set

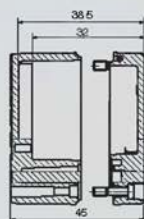
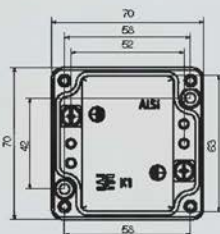


Mounting feet, set of 4



Note: Sets also include any things necessary

K 1



Technical data

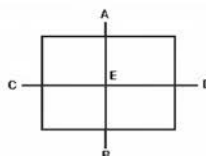
Terminal content	vertical	horizontal
	2.5 mm	*
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	2	1
M 16	2	1
M 20	1	
M 25		
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Rear

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n


Height x Width x Depth mm
Weight g

80 x 75 x 57
280

Ordering data

natural finish	Order No.
standard	0573300000
Enclosure for hazardous areas (Ex)	9526850000
Painted, RAL 7001	standard
	9529140000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcône steel).

Accessories

Terminal rail, set	Order No.
15 mm wide	1909900000



Earth bar, set



Butt bar 10 x 5 mm, set



Mounting plate



sheet steel, galvanised 3073000000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set



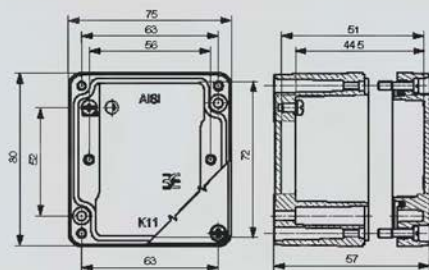
1583600000

Mounting feet, set of 4



Note: Sets also include any fittings necessary: 1 hinge per long side

K 11



Technical data

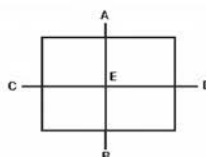
Terminal content	vertical	horizontal
2.5 mm	*	1x5
4 mm		1x4
6 mm		
10 mm		
16 mm		

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	2	2
M 16	2	2
M 20	1	1
M 25	1	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP65 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

70 x 100 x 45
280

Ordering data

natural finish	standard	Order No.
		0342100000
Enclosure for hazardous areas (Ex)		9525800000
Painted, RAL 7001	standard	9529140000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alclore seal)

Accessories

Terminal rail, set	15 mm wide	Order No.
		1910010000



Earth bar, set



Butt bar 10 x 5 mm, set



Mounting plate



sheet steel, galvanised 1906270000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set

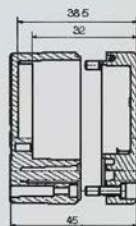
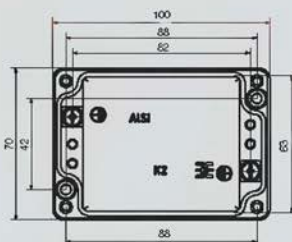


Mounting feet, set of 4



Note: Sets also include any things necessary

K 2



Technical data

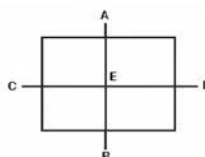
Terminal content	vertical	horizontal
	2.5 mm	1x10
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12 3	1
	M 16 3	1
	M 20 2	
	M 25 1	
	M 32 1	
	M 40 1	
	M 50 1	
	M 63 1	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

80 x 125 x 57
400

Ordering data

natural finish	Order No.
standard	0573400000
Enclosure for hazardous areas (Ex)	9526870000
Painted, RAL 7001	standard
	9529150000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/alkaline soil).

Accessories

Terminal rail, set	Order No.
15 mm wide	1910020000



Earth bar, set



Butt bar 10 x 5 mm, set



Mounting plate



sheet steel, galvanised 3073020000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set



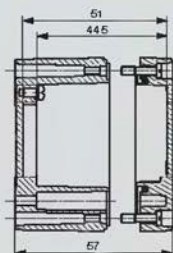
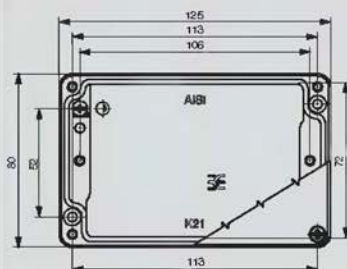
1580360000

Mounting feet, set of 4



Note: Sets also include any fittings necessary: 1 hinge per long side

K 21



Technical data

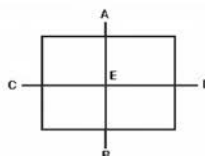
Terminal content	vertical	horizontal
2.5 mm	*	1x16
4 mm		1x12
6 mm		
10 mm		
16 mm		

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	6	2
M 16	4	2
M 20	3	1
M 25	2	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

70 x 165 x 45
400

Ordering data

natural finish	standard	Order No.
		0342200000
Enclosure for hazardous areas (Ex)		9526330000
Painted, RAL 7001	standard	9529160000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcône steel)

Accessories

Terminal rail, set	15 mm wide	Order No.
		1910030000



Earth bar, set



Butt bar 10 x 5 (mm), set



Mounting plate

sheet steel, galvanised	1898210000
angled (pleep)	1899630000



Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set

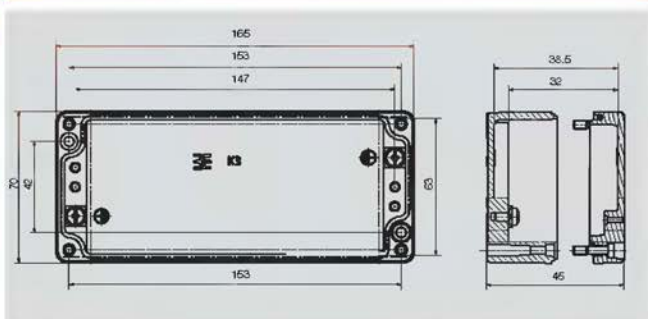


Mounting feet, set of 4



Note: Sets also include any things necessary

K 3



Technical data

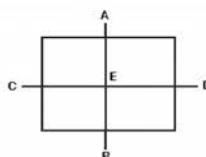
Terminal content	vertical	horizontal
	2.5 mm	1x22
	4 mm	
	6 mm	
	10 mm	
	16 mm	

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	6	
M 16	5	
M 20	4	
M 25		
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP65 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

K 31

80 x 175 x 57
520

Ordering data

natural finish	Order No.
standard	0573500000
Enclosure for hazardous areas (Ex)	9526390000
Painted, RAL 7001	Order No.
standard	9529170000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alclore seal).

Accessories

Terminal rail, set	Order No.
15 mm wide	1910040000



Earth bar, set



Butt bar 10 x 5 mm, set



Mounting plate



sheet steel, galvanised 3073040000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set

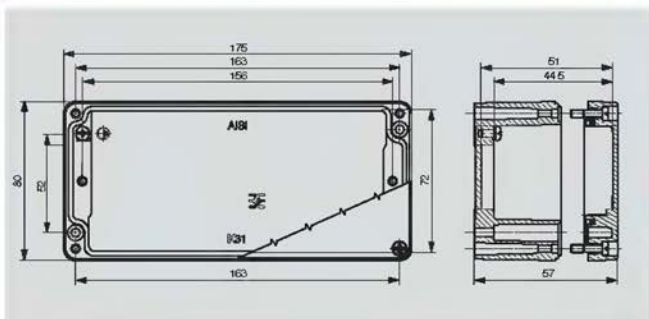


158360000

Mounting feet, set of 4



Note: Sets also include any fittings necessary: 1 hinge per long side



Technical data

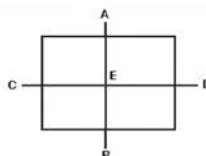
Terminal content	vertical	horizontal
	2.5 mm	1x23
	4 mm	1x19
	6 mm	
	10 mm	
	16 mm	

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12	9
	M 16	6
	M 20	4
	M 25	3
	M 32	
	M 40	
	M 50	
	M 63	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

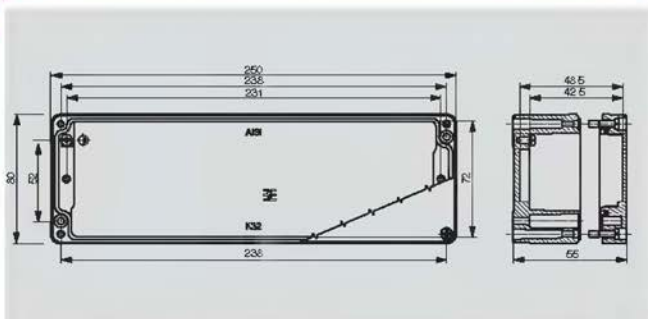
Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



K 32



Height x Width x Depth mm
Weight g

80 x 250 x 55
710

Ordering data

natural finish	standard	Order No.
		1565200000
Enclosure for hazardous areas (Ex)		9526900000
Painted, RAL 7001	standard	Order No.
		9529100000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	15 mm wide	Order No.
		1910050000



Earth bar, set



Butt bar 10 x 5 (mm), set



Mounting plate



sheet steel, galvanised 3073050000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set



Mounting feet, set of 4



Note: Sets also include any things necessary

Technical data

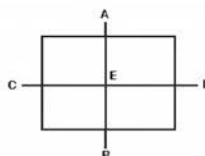
Terminal content	vertical	horizontal
	2.5 mm	1x38
	4 mm	1x32
	6 mm	
	10 mm	
	16 mm	

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	15	2
M 16	9	2
M 20	7	1
M 25	6	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

82 x 130 x 72
620

Ordering data

natural finish	Order No.
standard	0342300000
Enclosure for hazardous areas (Ex)	9526910000
Painted, RAL 7001	
standard	9529190000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcone steel).

Accessories

Terminal rail, set	Order No.
35 mm wide	1910060000



Earth bar, set



Butt bar 10 x 5 mm, set



Mounting plate



sheet steel, galvanised 3073060000

Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set



1580360000

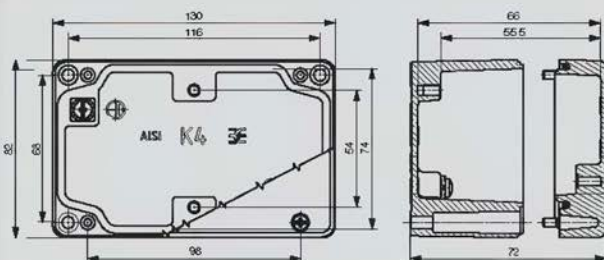
Mounting feet, set of 4



9529030000

Note: Sets also include any fittings necessary: 1 hinge per long side

K 4



Technical data

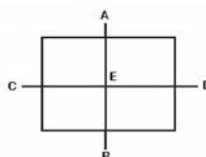
Terminal content	vertical	horizontal
2.5 mm	1x5	
4 mm	1x4	
6 mm	1x3	
10 mm	1x2	
16 mm		

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (flange clamp terminal) ZDU 2.5 10065 0000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	2	5
M 16	2	3
M 20	1	2
M 25	1	2
M 32	1	
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

120 x 122 x 81
840

Ordering data

natural finish	standard	Order No.
		1565270000
Enclosure for hazardous areas (Ex)		9526920000
Painted, RAL 7001	standard	Order No.
		9526920000

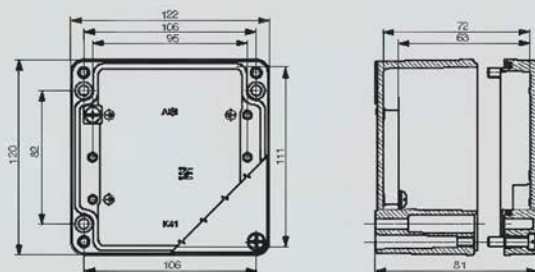
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcone steel)

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910070000
Earth bar, set		9511200000
Butt bar 10 x 5 mm, set		
Mounting plate	sheet steel, galvanised	3073070000
Spacer, M5 x 8, set of 2		
Hinges, diecast aluminium, set		1583600000
Mounting feet, set of 4		9527590000

Note: Sets also include any fittings necessary: 1 hinge per long side

K 41



Technical data

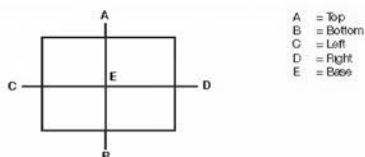
Terminal content	vertical	horizontal
2.5 mm	*	1x13
4 mm		1x11
6 mm		1x8
10 mm		1x6
16 mm		

Note: * Please use A/C or B/C terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	6	4
M 16	6	4
M 20	3	2
M 25	2	1
M 32	1	1
M 40		
M 50		
M 63		

Enclosure sides - ID



Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

K 5

130 x 170 x 90
1540

Ordering data

natural finish	Order No.
standard	0342400000
Enclosure for hazardous areas (Ex)	9526900000
Painted, RAL 7001	standard
	9529210000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	Order No.
35 mm wide	1910030000



Earth bar, set	Order No.
	9511220000



Butt bar 10 x 5 mm, set	
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Mounting plate	
sheet steel, galvanised	3073000000



Spacer, M5 x 8, set of 2	
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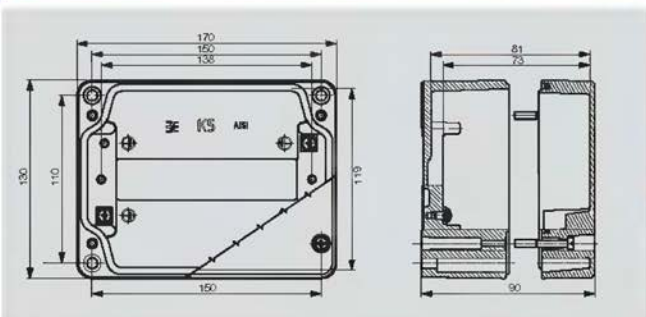
Hinges, diecast aluminium, set	
	1580360000



Mounting feet, set of 4	
	9529030000



Note: Sets also include any fittings necessary: 1 hinge per long side.



Technical data

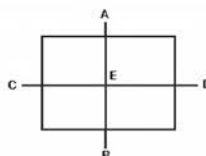
Terminal content	vertical	horizontal
	2.5 mm	1x20
	4 mm	1x16
	6 mm	1x12
	10 mm	1x10
	16 mm	1x8

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1506510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	11	4
M 16	8	2
M 20	4	1
M 25	3	1
M 32	2	1
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

120 x 220 x 81
1290

Ordering data

natural finish	standard	Order No.
		1565200000
Enclosure for hazardous areas (Ex)		9526940000
painted, RAL 7001	standard	9529220000

Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/alkene steel)

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910090000



Earth bar, set		9511210000
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Butt bar 10 x 5 mm, set		
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Mounting plate	sheet steel, galvanised	3073090000
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Spacer, M5 x 8, set of 2		
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Hinges, diecast aluminium, set		1580360000
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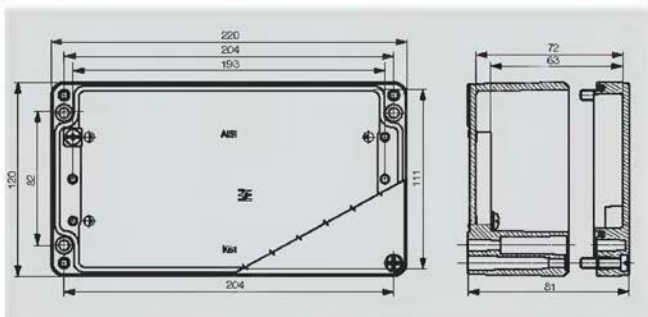


Mounting feet, set of 4		9527590000
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Note Sets also include any fittings necessary 2 hinges per long side

K 51



Technical data

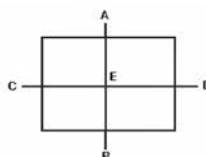
Terminal content	vertical	horizontal
	2.5 mm	1x31
	4 mm	1x26
	6 mm	1x19
	10 mm	1x15
	16 mm	

Note Terminal rails should be fitted directly
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail
Recommendation
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 16065 10000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	23	6
M 16	14	3
M 20	8	2
M 25	5	1
M 32	3	1
M 40	3	
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

K 52

160 x 160 x 91
1480

Ordering data

natural finish	standard	Order No.
		1565250000
Enclosure for hazardous areas (Ex)		9526960000
painted, RAL 7001	standard	9529230000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910100000



Earth bar, set		9511220000
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Butt bar 10 x 5 mm, set		
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Mounting plate	sheet steel, galvanised	3073100000
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Spacer, M5 x 8, set of 2		
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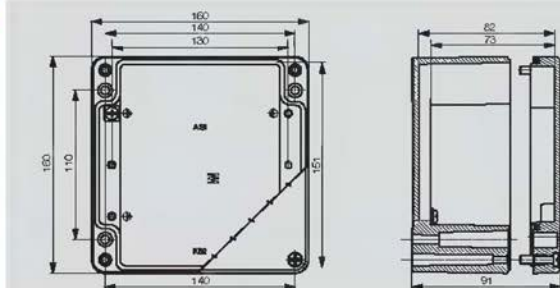
Hinges, diecast aluminium, set		1580360000
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Mounting feet, set of 4		9527590000
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Note: Sets also include any fittings necessary: 1 hinge per long side.



Technical data

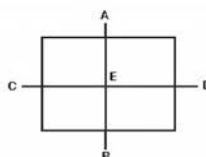
Terminal content	vertical	horizontal
	2.5 mm	1x18
	4 mm	1x15
	6 mm	1x11
	10 mm	1x9
	16 mm	

Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 1506510000.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	14	8
M 16	8	6
M 20	6	3
M 25	3	2
M 32	2	1
M 40	1	
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure



Height x Width x Depth mm
Weight g

160 x 200 x 100
2000

Ordering data

natural finish	standard	Order No.
		0342500000
Enclosure for hazardous areas (Ex)		9529600000
Painted, RAL 7001	standard	9529240000

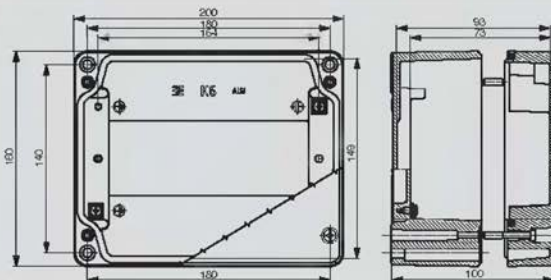
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/alkaline soil).

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910110000
Earth bar, set		9525020000
Butt bar 10 x 5 mm, set		
Mounting plate	sheet steel, galvanised	3073110000
Spacer, M5 x 8, set of 2		
Hinges, diecast aluminium, set		1580600000
Mounting feet, set of 4		9529030000

Note: Sets also include any fittings necessary 2 hinges per long side

K 6



Technical data

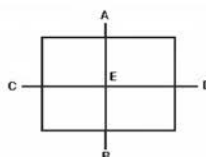
Terminal content	vertical	horizontal
	2.5 mm	1x25
	4 mm	1x21
	6 mm	1x16
	10 mm	1x12
	16 mm	1x10

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 1606510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	17	6
M 16	12	6
M 20	7	3
M 25	4	2
M 32	3	2
M 40	2	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

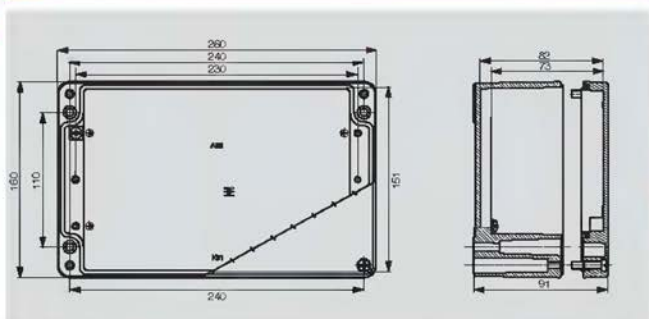
Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

K 61



160 x 260 x 91
2060

Ordering data

natural finish	standard	Order No.
		0573600000
Enclosure for hazardous areas (Ex)		9526970000
Painted, RAL 7001	standard	Order No.
		9529250000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/alcone steel).

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910120000



Earth bar, set	9511230000
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Butt bar 10 x 5 mm, set	
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Mounting plate	sheet steel, galvanised	3073120000
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Spacer, M5 x 8, set of 2	
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Hinges, diecast aluminium, set	1580360000
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Mounting feet, set of 4	9527590000
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Note: Sets also include any fittings necessary 2 hinges per long side

Technical data

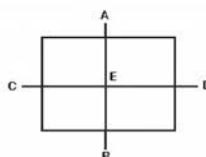
Terminal content	vertical	horizontal
	2.5 mm	1x38
	4 mm	1x32
	6 mm	1x24
	10 mm	1x19
	16 mm	1x16

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	27	8
M 16	23	6
M 20	13	3
M 25	8	2
M 32	4	1
M 40	3	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

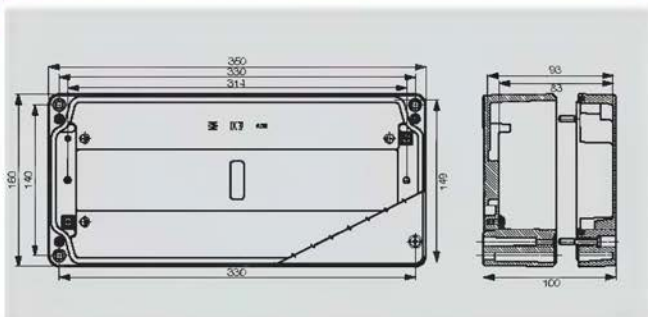
Note: ** Our IP68 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



K 7



Height x Width x Depth mm
Weight g

160 x 350 x 100
2870

Ordering data

natural finish	standard	Order No.
		0342600000
Enclosure for hazardous areas (Ex)		9526900000
Painted, RAL 7001	standard	9529260000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alcote steel).

Accessories

Terminal rail, set	35 mm wide	Order No.
		1910130000



Earth bar, set	9525030000
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Butt bar 10 x 5 mm, set	
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Mounting plate	sheet steel, galvanised	3073130000
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Spacer, M5 x 8, set of 2	
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Hinges, diecast aluminium, set	1580600000
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Mounting feet, set of 4	9529030000
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Note: Sets also include any fittings necessary 2 hinges per long side

Technical data

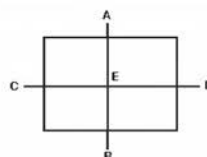
Terminal content	vertical	horizontal
	2.5 mm	1x56
	4 mm	1x46
	6 mm	1x34
	10 mm	1x27
	16 mm	1x23

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 1606510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	42	8
M 16	26	6
M 20	17	3
M 25	10	2
M 32	6	2
M 40	5	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

Diecast aluminium enclosure

n



Height x Width x Depth mm
Weight g

230 x 280 x 111
2925

Ordering data

natural finish	Order No.
standard	0573700000
Enclosure for hazardous areas (Ex)	9526900000
Painted, RAL 7001	standard
	9529270000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/Alclore steel).

Accessories

Terminal rail, set	Order No.
35 mm wide	1910140000



Earth bar, set

9511150000



Butt bar 10 x 5 mm, set



Mounting plate

sheet steel, galvanised 3073140000



Spacer, M5 x 8, set of 2



Hinges, diecast aluminium, set

1580360000



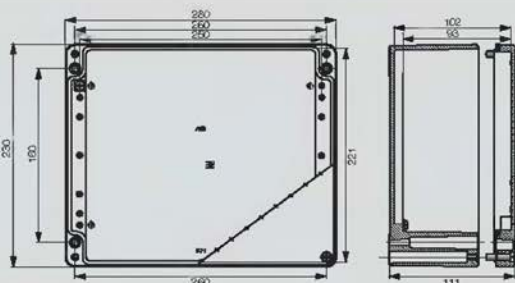
Mounting feet, set of 4

9527590000



Note: Sets also include any fittings necessary 2 hinges per long side

K 71



Technical data

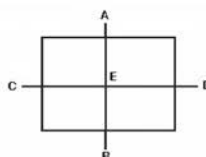
Terminal content	vertical	horizontal
	2.5 mm	2x42
	4 mm	2x35
	6 mm	2x26
	10 mm	2x21
	16 mm	

Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (bar clamp terminal) ZDU 2.5 1506510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	42	28
M 16	30	18
M 20	21	10
M 25	12	8
M 32	10	3
M 40	4	2
M 50	3	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 brass cable glands serve as a reference for these recommended values.

Polyester enclosures

The POK series is based on a high-quality glass fibre-reinforced polyester enclosure which represents an economical solution for electrical connections.

The enclosures are ideal wherever corrosion resistance, impact resistance and a high IP protection class are required.

Features:

- 17 sizes
- Cover with stainless steel screws
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails and mounting plates
- Approved to the latest international standards

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data	Standard	ATEX
Material	Glass fibre-reinforced polyester to DIN 16913	Glass fibre-reinforced polyester to DIN 16913 with added graphite
Surface	Grey, similar to RAL 7001	Black, similar to RAL 9011
Gasket	Chloroprene + polyurethane	Silicone (VMQ)
Cover screws	Stainless steel	Stainless steel
Protection class	IP 66	IP 66
Impact resistance	7 J	7 J
Temperature range	-40 °C to +90 °C	② silicone -55 °C to +100 °C
Flammability	UL94 V0	UL94 V0
Toxicity	Halogen- and cadmium-free	Halogen- and cadmium-free

Approvals

KEMA 03ATEX2078 U

② II 2 G EEx e II

KEMA 03ATEX2077

② II 2 G EEx e II T6

② II 2 (T) G EEx e [ja] IIC T6

② II 1 G EEx ia IIC T6

Overview of enclosures

Type H x W x D	75 x 80 x 55	75 x 110 x 55	75 x 160 x 55	75 x 190 x 55	75 x 230 x 55	120 x 122 x 90
Standard, RAL 7001	1277200000	1277300000	1277400000	1565400000	9510510000	1277500000
For hazardous areas (Ex), RAL 9011	9510210000	9510220000	9510320000	9510330000	9510340000	9510230000
Type H x W x D	120 x 220 x 90	160 x 160 x 90	160 x 260 x 90	160 x 360 x 90	160 x 560 x 90	250 x 255 x 120
Standard, RAL 7001	1277600000	1565410000	1277700000	1277800000	9510520000	1565420000
For hazardous areas (Ex), RAL 9011	9510240000	9510250000	9510260000	9510270000	9510350000	9510230000
Type H x W x D	250 x 400 x 120	250 x 600 x 120	405 x 400 x 120	250 x 255 x 160	250 x 400 x 160	
Standard, RAL 7001	1565430000	9510470000	1565440000	9510530000	9510540000	
For hazardous areas (Ex), RAL 9011	9510290000	9510300000	9510310000	9510360000	9510370000	

Note: Please specify ambient temperature of application when ordering and also note gasket material (e.g. -55 °C / silicone gasket).

Universal polyester enclosure



Height x Width x Depth mm
Weight g

75 x 80 x 56
230

Ordering data

RAL 7001	Order No.
Standard	1277200000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510210000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcône 55).

Accessories

Terminal rail, set	Order No.
15 mm wide	1520060000



Mounting plate

Order No. 9510570000



Spacer, M6 x 8, set of 2



Hinges, diecast aluminium, set

Order No. 1530360000



Earth continuity plate (ECP), cruciform

Order No. 9510990000

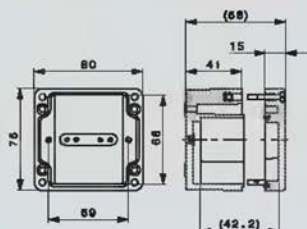


Mounting feet, set of 4

Order No. 9510900000



POK 1



Technical data

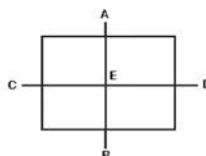
Terminal content	vertical	horizontal
2.5 mm	*	1x5
4 mm		1x4
6 mm		
10 mm		
16 mm		

Note: * Please use A/C or B/C terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	4	1
M 16	2	1
M 20	1	1
M 25	1	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: Sets also include any fittings necessary: 1 hinge per long side.

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values.

Universal polyester enclosure



Height x Width x Depth mm
Weight g

75 x 110 x 55
295

Ordering data

RAL 7001	Order No.
Standard	1277300000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510220000

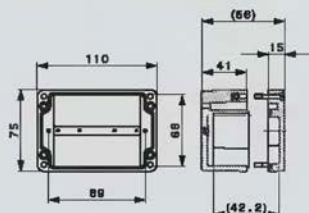
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcone seal)

Accessories

Terminal rail, set	Order No.
15 mm wide	1520700000
Mounting plate	Order No.
Black/white	9510500000
Spacer, M6 x 8, set of 2	
Hinges, diecast aluminium, set	Order No.
	1530300000
Earth continuity plate (ECP), cruciform	Order No.
	9511000000
Mounting feet, set of 4	Order No.
	9510900000

Note: Sets also include any fittings necessary: 1 hinge per long side

POK 2



Technical data

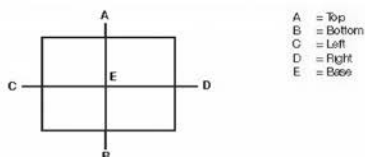
Terminal content	vertical	horizontal
2.5 mm	1	1x10
4 mm	1	1x9
6 mm		
10 mm		
16 mm		

Note: * Please use A/C or B/C terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	7	1
M 16	3	1
M 20	2	1
M 25	2	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 3

75 x 160 x 55
405

Ordering data

RAL 7001	Order No.
Standard	1277400000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510320000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcane steel)

Accessories

Terminal rail, set	Order No.
15 mm wide	1920300000



Mounting plate	Order No.
Black/white	9510630000



Spacer, M6 x 8, set of 2	Order No.
	1530360000



Hinges, diecast aluminium, set	Order No.
	1530360000



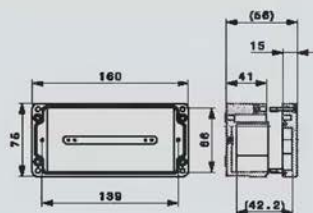
Earth continuity plate (ECP), cruciform	Order No.
	9511010000



Mounting feet, set of 4	Order No.
	9510900000



Note: Sets also include any fittings necessary: 1 hinge per long side



Technical data

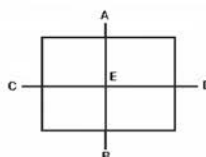
Terminal content	vertical	horizontal
2.5 mm	*	1x20
4 mm		1x17
6 mm		
10 mm		
16 mm		

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	11	1
M 16	6	1
M 20	4	1
M 25	3	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

75 x 190 x 55
450

Ordering data

RAL 7001	Order No.
Standard	1565400000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510300000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. 55°C/Ambient air)

Accessories

Terminal rail, set	Order No.
15 mm wide	1520300000



Mounting plate

Order No.

1510600000



Spacer, M6 x 8, set of 2



Hinges, diecast aluminium, set

Order No.

1530300000



Earth continuity plate (ECP), cruciform

Order No.

9511020000



Mounting feet, set of 4

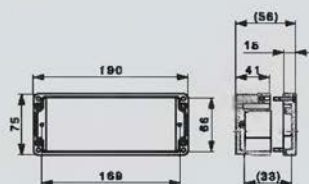
Order No.

9510900000



Note: Sets also include any fittings necessary: 1 hinge per long side

POK 31



Technical data

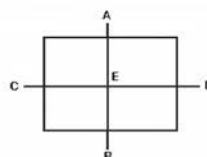
Terminal content	vertical	horizontal
2.5 mm	*	1x26
4 mm		1x22
6 mm		
10 mm		
16 mm		

Note: * Please use AK2 or BK terminals for these enclosures. Also refer to our terminals catalogue

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	14	1
M 16	6	1
M 20	5	1
M 25	4	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

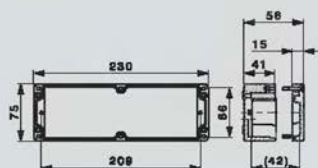
Note: ** Our IP65 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 32



75 x 230 x 55
575

Ordering data

RAL 7001	Order No.
Standard	9510510000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510340000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcône steel)

Accessories

Terminal rail, set	Order No.
15 mm wide	1528100000



Mounting plate

Order No. 9510700000



Spacer, M6 x 8, set of 2



Hinges, diecast aluminium, set

Order No. 1530360000



Earth continuity plate (ECP), cruciform

Order No. 9511030000



Mounting feet, set of 4

Order No. 9510900000



Technical data

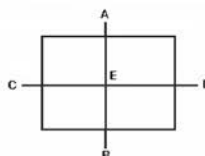
Terminal content	vertical	horizontal
2.5 mm	*	1x33
4 mm		1x28
6 mm		
10 mm		
16 mm		

Note: * Please use AL2 or BK terminals for these enclosures. Also refer to our terminals catalogue.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	16	1
M 16	6	1
M 20	6	1
M 25	4	
M 32		
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: Sets also include everything necessary: 2 hinges per long side

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

120 x 122 x 91
750

Ordering data

RAL 7001	Order No.
Standard	1277500000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510200000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcône 55).

Accessories

Terminal rail, set	Order No.
35 mm wide	1528110000



Mounting plate	Order No.
Sheet steel, galvanneal	9510500000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set	Order No.
	1530300000



Earth continuity plate (ECP), cruciform	Order No.
	9511040000

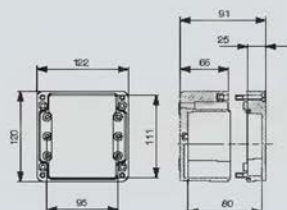


Mounting feet, set of 4	Order No.
	9510910000



Note: Sets also include any fittings necessary: 2 hinges per long side.

POK 4



Technical data

Terminal content	vertical	horizontal
2.5 mm		1x12
4 mm		1x10
6 mm		1x7
10 mm		1x6
16 mm		1x5

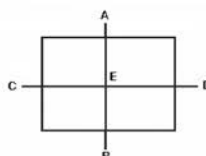
Note:

Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1506510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	12	8
M 16	6	4
M 20	4	3
M 25	5	1
M 32	4	1
M 40		
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

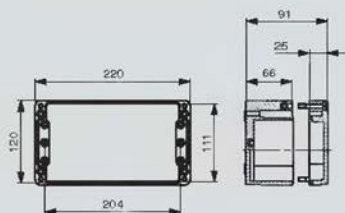
Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values.

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 5



120 x 220 x 91
1060

Ordering data

RAL 7001	Order No.
standard	1277600000

RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510240000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcone steel)

Accessories

Terminal rail, set	Order No.
35 mm wide	1928120000



Mounting plate	Order No.
sheet steel, galvanneal	9510600000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set	Order No.
	1530360000



Earth continuity plate (ECP), cruciform	Order No.
	9511050000



Mounting feet, set of 4	Order No.
	9510910000



Technical data

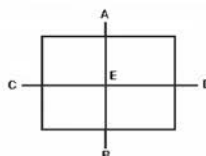
Terminal content	vertical	horizontal
	2.5 mm	1x31
	4 mm	1x26
	6 mm	1x19
	10 mm	1x15
	16 mm	1x13

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 15065 10000

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12	24
	M 16	14
	M 20	12
	M 25	5
	M 32	4
	M 40	3
	M 50	
	M 63	

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: Sets also include any fittings necessary 2 hinges per long side

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

160 x 160 x 90
1290

Ordering data

RAL 7001	Order No.
Standard	1565410000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510250000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcône 55).

Accessories

Terminal rail, set	Order No.
35 mm wide	1528130000



Mounting plate

Sheet steel, galvanneal	9510610000
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Spacer, M6 x 8, set of 2

15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set

	1530360000
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Earth continuity plate (ECP), cruciform

	9511060000
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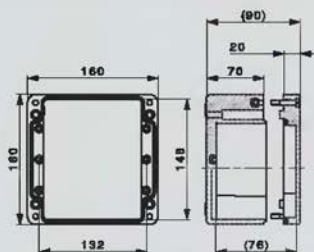
Mounting feet, set of 4

	9510910000
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Note: Sets also include any fittings necessary 2 hinges per long side

POK 51



Technical data

Terminal content	vertical	horizontal
2.5 mm		1x17
4 mm		1x14
6 mm		1x11
10 mm		1x9
16 mm		1x7

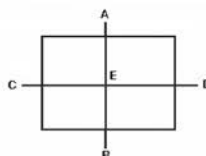
Note:

Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 102000000 / (barrel clamp terminal) ZDU 2.5 15065 0000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	15	11
M 16	12	6
M 20	6	4
M 25	3	2
M 32	2	2
M 40	2	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Back

Note: ** Our IP65 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 6

160 x 260 x 90
1710

Ordering data

RAL 7001	Order No.
standard	1277700000

RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510200000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcone steel)

Accessories

Terminal rail, set	Order No.
35 mm wide	1528140000



Mounting plate	Order No.
sheet steel, galvanneal	9510620000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



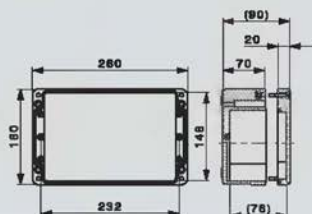
Hinges, diecast aluminium, set	Order No.
	1530360000



Earth continuity plate (ECP), cruciform	Order No.
	9511070000



Mounting feet, set of 4	Order No.
	9510910000



Technical data

Terminal content	vertical	horizontal
2.5 mm		1x36
4 mm		1x30
6 mm		1x23
10 mm		1x16
16 mm		1x16

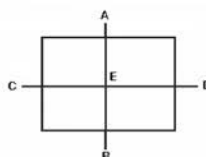


Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 102000000 / (barrel clamp terminal) ZDU 2.5 15065 00000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	30	11
M 16	24	6
M 20	14	4
M 25	5	2
M 32	4	2
M 40	3	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: Sets also include any fittings necessary 2 hinges per long side

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

160 x 360 x 90
2150

Ordering data

RAL 7001	Order No.
Standard	1277800000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510270000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcone steel)

Accessories

Terminal rail, set	Order No.
35 mm wide	1928150000



Mounting plate

Sheet steel, galvanneal	9510630000
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Spacer, M6 x 8, set of 2

15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set

	1530360000
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Earth continuity plate (ECP), cruciform

	9511030000
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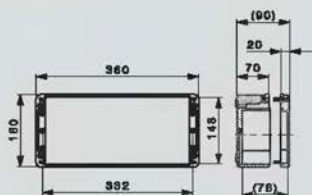
Mounting feet, set of 4

	9510910000
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Note: Sets also include any fittings necessary 2 hinges per long side

POK 7



Technical data

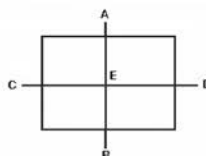
Terminal content	vertical	horizontal
2.5 mm		1x56
4 mm		1x47
6 mm		1x36
10 mm		1x29
16 mm		1x24

Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	45	11
M 16	36	6
M 20	20	4
M 25	8	2
M 32	6	2
M 40	5	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 71

160 x 560 x 90
3185

Ordering data

RAL 7001	Order No.
Standard	9510520000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510360000
Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/alkaline soil).	

Accessories

Terminal rail, set	Order No.
35 mm wide	1528160000
Mounting plate	Order No.
Sheet steel, galvanneal	9510710000
Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000
Hinges, diecast aluminium, set	Order No.
	1530360000
Earth continuity plate (ECP), cruciform	Order No.
	9511090000
Mounting feet, set of 4	Order No.
	9510910000

Technical data

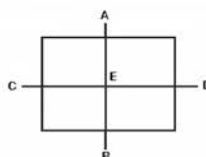
Terminal content	vertical	horizontal
2.5 mm		1x94
4 mm		1x79
6 mm		1x60
10 mm		1x49
16 mm		1x41

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1506510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	66	11
M 16	59	6
M 20	32	4
M 25	12	2
M 32	10	2
M 40	8	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: Sets also include any fittings necessary (2 hinges per long side).

Note: ** Our IP66 plastic cable glands (fitted without a brass plate (cruciform)) serve as a reference for these recommended values.

Universal polyester enclosure



Height x Width x Depth mm
Weight g

250 x 255 x 120
2650

Ordering data

RAL 7001	Order No.
Standard	1565420000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510200000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. 55°C silicone seal)

Accessories

Terminal rail, set	Order No.
35 mm wide	1528170000



Mounting plate	Order No.
sheet steel, galvanneal	9510640000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set	Order No.
	1530360000



Earth continuity plate (ECP), cruciform	Order No.
	9511100000

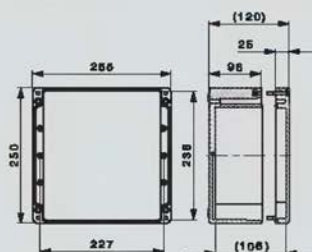


Mounting feet, set of 4	Order No.
	9510910000



Note: Sets also include any fittings necessary 2 hinges per long side

POK 8



Technical data

Terminal content	vertical	horizontal
2.5 mm		2x38
4 mm		2x31
6 mm		2x23
10 mm		2x19
16 mm		2x15

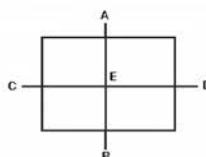
Note:

Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 102000000 / (barrel clamp terminal) ZDU 2.5 15085 00000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	36	32
M 16	32	21
M 20	18	15
M 25	10	8
M 32	8	3
M 40	3	3
M 50	2	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

250 x 400 x 120
3650

Ordering data

RAL 7001	Order No.
standard	1565430000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510200000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/alkaline soil).

Accessories

Terminal rail, set	Order No.
35 mm wide	1528100000



Mounting plate

sheet steel, galvanneal	9510650000
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Spacer, M6 x 8, set of 2

15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set

	1530300000
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Earth continuity plate (ECP), cruciform

	9511110000
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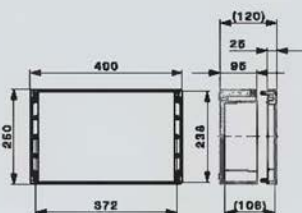
Mounting feet, set of 4

	9510910000
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Note: Sets also include any fittings necessary 2 hinges per long side

POK 9



Technical data

Terminal content	vertical	horizontal
2.5 mm		2x57
4 mm		2x55
6 mm		2x41
10 mm		2x33
16 mm		2x27

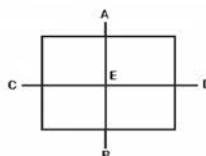


Note: Terminal rails should be fitted directly.
The assembly with modular terminal includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	62	32
M 16	54	21
M 20	33	15
M 25	18	8
M 32	14	3
M 40	6	3
M 50	4	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

250 x 600 x 120
5235

Ordering data

RAL 7001	Order No.
Standard	9510470000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510300000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/Alcone steel).

Accessories

Terminal rail, set	Order No.
35 mm wide	1528190000



Mounting plate

Sheet steel, galvanneal	9510600000
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Spacer, M6 x 8, set of 2

15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set

	1530300000
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Earth continuity plate (ECP), cruciform

	9511120000
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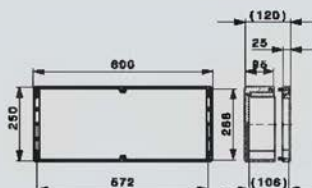
Mounting feet, set of 4

	9510910000
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Note: Sets also include any fittings necessary (2 hinges per long side).

POK 91



Technical data

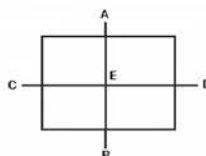
Terminal content	vertical	horizontal
2.5 mm		2x107
4 mm		2x89
6 mm		2x66
10 mm		2x53
16 mm		2x44

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	96	32
M 16	80	21
M 20	24	15
M 25	20	8
M 32	20	3
M 40	8	3
M 50	6	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values.

Universal polyester enclosure



Height x Width x Depth mm
Weight g

POK 10

405 x 400 x 120
5590

Ordering data

RAL 7001	Order No.
Standard	1565400000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510310000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. 55°C silicone seal)

Accessories

Terminal rail, set	Order No.
35 mm wide	1528100000



Mounting plate	Order No.
Sheet steel, galvanneal	9510670000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



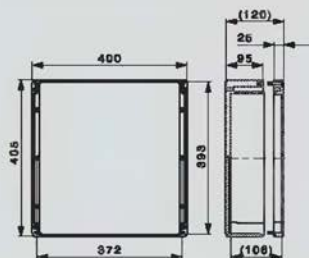
Hinges, diecast aluminium, set	Order No.
	1530360000



Earth continuity plate (ECP), cruciform	Order No.
	9511130000



Mounting feet, set of 4	Order No.
	9510910000



Technical data

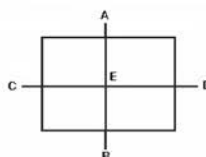
Terminal content	vertical	horizontal
	2.5 mm	3x57
	4 mm	3x55
	6 mm	3x41
	10 mm	3x33
	16 mm	3x27

Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (baron clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
	M 12	62
	M 16	54
	M 20	33
	M 25	18
	M 32	14
	M 40	6
	M 50	4
	M 63	4

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: Sets also include any fittings necessary (2 hinges per long side)

Note: ** Our IP65 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Universal polyester enclosure



Height x Width x Depth mm
Weight g

250 x 255 x 160
3275

Ordering data

RAL 7001	Order No.
Standard	9510500000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510300000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. 55°C/130°F).

Accessories

Terminal rail, set	Order No.
35 mm wide	1528170000



Mounting plate	Order No.
Sheet steel, galvanized	9510640000



Spacer, M6 x 8, set of 2	Order No.
15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set	Order No.
	1530300000



Earth continuity plate (ECP), cruciform	Order No.
	9511100000

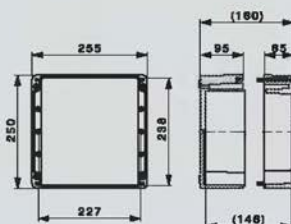


Mounting feet, set of 4	Order No.
	9510910000



Note: Sets also include any fittings necessary (2 hinges per long side).

POK 11



Technical data

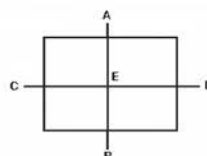
Terminal content	vertical	horizontal
2.5 mm		2x38
4 mm		2x31
6 mm		2x23
10 mm		2x19
16 mm		2x15

Note: Terminal rails should be fitted directly. The assembly with modular terminals includes a 10 mm space at each end of the terminal rail. Recommendation: TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (barrel clamp terminal) ZDU 2.5 1006510000.

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	36	32
M 16	32	21
M 20	18	15
M 25	10	8
M 32	8	3
M 40	3	3
M 50	2	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP65 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values.

Universal polyester enclosure



Height x Width x Depth mm
Weight g

250 x 400 x 160
4800

Ordering data

RAL 7001	Order No.
Standard	9510540000
RAL 9011	Order No.
Enclosure for hazardous areas (Ex)	9510370000

Note: Please state the ambient temperature of the enclosure when ordering (e.g. -55°C/alkaline soil)

Accessories

Terminal rail, set	Order No.
35 mm wide	1528180000



Mounting plate

Sheet steel, galvanneal	9510650000
-------------------------	------------



Spacer, M6 x 8, set of 2

15 mm long	3896100000
20 mm long	3896200000
30 mm long	3896300000



Hinges, diecast aluminium, set

	1530360000
--	------------



Earth continuity plate (ECP), cruciform

	9511140000
--	------------



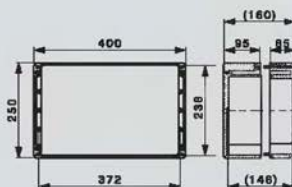
Mounting feet, set of 4

	9510910000
--	------------



Note: Sets also include any fittings necessary 2 hinges per long side

POK 12



Technical data

Terminal content	vertical	horizontal
2.5 mm		2x57
4 mm		2x55
6 mm		2x41
10 mm		2x33
16 mm		2x27

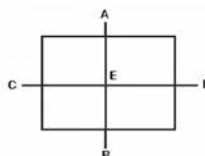


Note: Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (lever clamp terminal) ZDU 2.5 1006510000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	62	32
M 16	54	21
M 20	33	15
M 25	18	8
M 32	14	3
M 40	6	3
M 50	4	2
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note: ** Our IP66 plastic cable glands fitted without a brass plate (cruciform) serve as a reference for these recommended values

Large polyester enclosures

The enclosures of the TEF series are made from robust glass fibre-reinforced polyester. They provide universal solutions for housing a whole host of components such as regulators, measuring instruments, valves, etc.

Features:

- 9 sizes in 2 versions
- Cover with nylon screws
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails and mounting plates

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data

Material	Grey cover Transparent cover	Enclosure and cover of glass fibre-reinforced plastic (GFRP) Enclosure base of glass fibre-reinforced plastic (GFRP), cover of polycarbonate (PC)
Surface		Grey similar to RAL 7035
Gasket		Polyurethane
Cover fixing		4 or 6 captive crosshead nylon screws
Equipment mounting		4 or 6 clamping screws M 4
Protection class	Grey cover Transparent cover	IP 67 IP 66
Impact resistance	Grey cover Transparent cover	4 J 7 J
Temperature range	Grey cover Transparent cover	-60 °C to +160 °C -60 °C to +130 °C
Flammability	Grey cover Transparent cover	UL 94 HB V2
Toxicity		Halogen-free

Overview of enclosures

Type H x W x D	196 x 161 x 139	302 x 196 x 175	302 x 302 x 175	372 x 302 x 175	498 x 302 x 175/210	668 x 302 x 175/210
Grey cover	0960100000	0960200000	0960300000	0960400000	9502300000	9502310000
Transparent cover	0600600000	0600600000	0600700000	0600800000	9502340000	9502350000

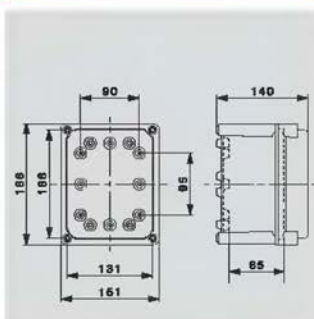
Type H x W x D	603 x 302 x 175/210	603 x 372 x 175/210	603 x 603 x 175/210
Grey cover	0960600000	9502320000	9502330000
Transparent cover	0600900000	9502360000	9502370000

Versatile polyester enclosure



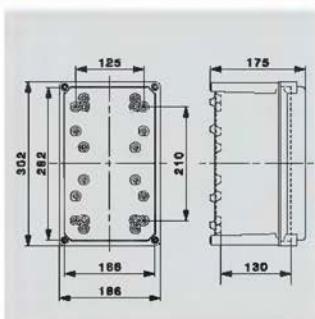
Height x Width x Depth mm

TBF 19/15



166 x 151 x 139

TBF 30/19



302 x 186 x 175

Technical data

Dimensions	mm
Interior depth	85
Weight	1065
Cable entries	
M16	6
M20	2
M25	2
M32	1
M40	1
M50	
Terminal content	
WDU 2.5 / ZDU 2.5	1x18
WDU 4 / ZDU 4	1x15
WDU 6 / ZDU 6	1x11
WDU 10 / ZDU 10	1x9
Note	

top / bottom	left / right
6	6
2	2
2	2
1	1
1	1
1x18	
1x15	
1x11	
1x9	

130	
1750	
top / bottom	left / right
14	30
11	22
6	10
3	5
1	3
1	3
1x44	
1x37	
1x28	
1x22	

Ordering data

Enclosure with gray lid
Enclosure with transparent lid
Note

Type	Order No.
TBF 19/15/14 7036	0360100000
TBF 19/15/14 trsp	0500500000
Note	

Type	Order No.
TBF 30/19/18 7036	0360200000
TBF 30/19/18 trsp	0500600000
Note	

Accessories

Mounting plate	
2 mm sheet steel	zinc-plated
External fixing lugs	
Set of 4 pieces each	polyamide
Earthstud	
M5	brass
M6	stainless steel
M10	brass
M10	stainless steel

Type	Qty.	Order No.
MP TBF 19/15	1	9502720000
MF TBF	1	0360300000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500370000
Note		

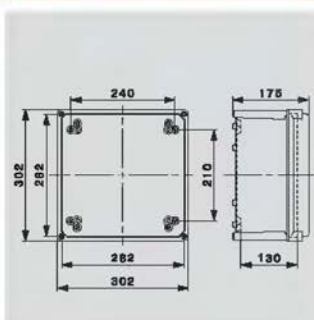
Type	Qty.	Order No.
MP TBF 30/19	1	3018960000
MF TBF	1	0360300000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500370000
Note		

TBF - Polyester enclosures

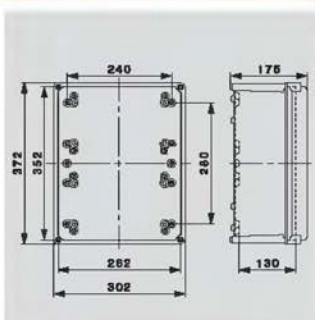
Versatile polyester enclosure



TBF 30/30



TBF 37/30



Height x Width x Depth

mm

302 x 302 x 175

372 x 302 x 175

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	24
M20	20
M25	10
M32	4
M40	3
M50	3
Terminal content	
WDU 2.5 / ZDU 2.5	1x44
WDU 4 / ZDU 4	1x37
WDU 6 / ZDU 6	1x28
WDU 10 / ZDU 10	1x22
Note	

130	
2270	
top / bottom	left / right
24	24
20	20
10	10
4	4
3	3
3	3
1x44	
1x37	
1x28	
1x22	

130	
2900	
top / bottom	left / right
24	30
20	27
10	12
4	5
3	4
3	4
2x44	
2x37	
2x28	
2x22	

Ordering data

Enclosure with gray lid	
Enclosure with transparent lid	
Note	

Type	Order No.
TBF 30/30/18 7036	0360300000
TBF 30/30/18 trsp	0500700000
Note	

Type	Order No.
TBF 37/30/18 7036	0360400000
TBF 37/30/18 trsp	0500800000
Note	

Accessories

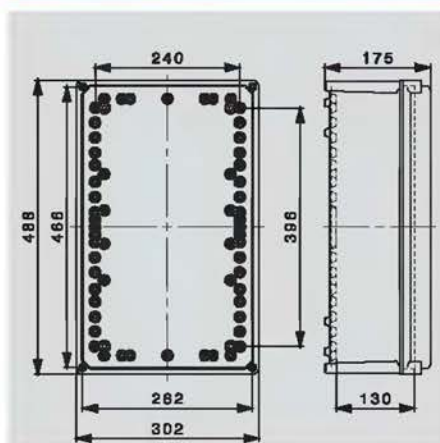
Mounting plate	
2 mm sheet steel	zinc-plated
External fixing lugs	
Set of 4 pieces each	polyamide
Earthstud	
M5	Brass
M6	stainless steel
M10	Brass
M10	stainless steel

Type	Qty.	Order No.
MP TBF 30/30	1	9502700000
MF TBF	1	0360300000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500870000

Type	Qty.	Order No.
MP TBF 37/30	1	9502740000
MF TBF	1	0360400000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500870000

Note

TBF 49/30



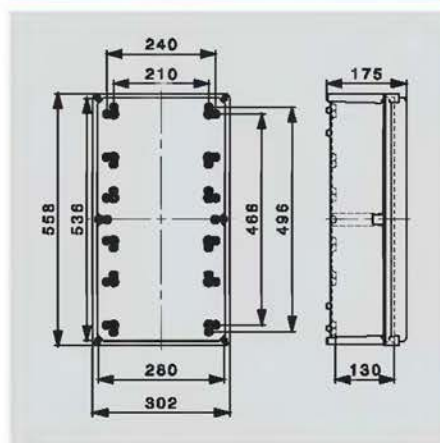
488 x 302 x 175 / 210

130
3760

top / bottom	left / right
24	42
20	36
10	18
4	7
3	5
3	5

3x44
3x37
3x28
3x22Grey cover: 130 mm internal height, 175 mm total height
Transparent cover: 160 mm internal height, 210 mm total height

TBF 56/30



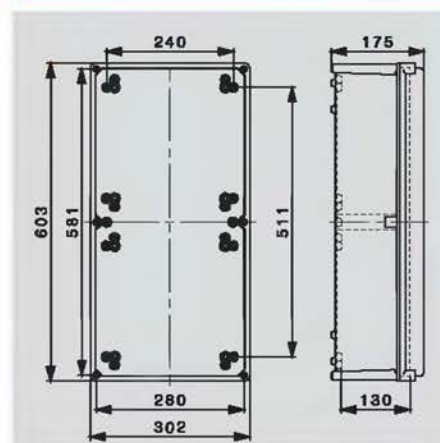
558 x 302 x 175 / 210

140
3970

top / bottom	left / right
24	46
20	40
10	18
4	8
3	6
3	4

4x44
4x37
4x28
4x22Grey cover: 130 mm internal height, 175 mm total height
Transparent cover: 160 mm internal height, 210 mm total height

TBF 60/30



603 x 302 x 175 / 210

140
4380

top / bottom	left / right
24	48
20	40
10	20
4	8
3	6
3	6

1x101
1x85
1x64
1x51Grey cover: 130 mm internal height, 175 mm total height
Transparent cover: 160 mm internal height, 210 mm total height

Type	Order No.
TBF 49/30/18 7036	9502800000
TBF 49/30/21 trsp	9502840000

Type	Order No.
TBF 56/30/18 7036	9502810000
TBF 56/30/21 trsp	9502850000

Type	Order No.
TBF 60/30/18 7036	0360500000
TBF 60/30/21 trsp	0500900000

Type	Qty.	Order No.
MP TBF 49/30	1	9500960000
MF TBF	1	0360800000
ES TBF M6 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500870000

Type	Qty.	Order No.
MP TBF 56/30	1	9500950000
MF TBF	1	0360800000
ES TBF M6 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500870000

Type	Qty.	Order No.
MP TBF 60/30	1	9502750000
MF TBF	1	0360800000
ES TBF M6 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500870000

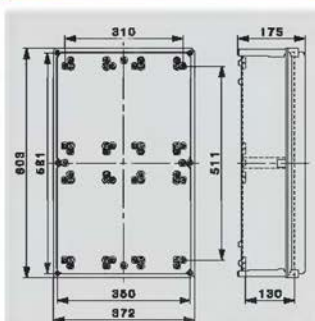
TBF - Polyester enclosures

Versatile polyester enclosure



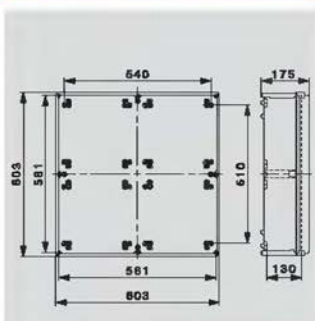
Height x Width x Depth mm

TBF 60/37



603 x 372 x 175 / 210

TBF 60/60



603 x 603 x 175 / 210

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	
M20	
M25	
M32	
M40	
M50	
Terminal content	
WDU 2.5 / ZDU 2.5	
WDU 4 / ZDU 4	
WDU 6 / ZDU 6	
WDU 10 / ZDU 10	
Note	

140	
5360	
top / bottom	left / right
30	48
26	40
12	20
5	8
4	6
4	6
2x101	
2x35	
2x64	
2x51	
Grey cover: 120 mm internal height, 175 mm total height	
Transparent cover: 160 mm internal height, 210 mm total height	

140	
7400	
top / bottom	left / right
48	48
40	40
20	20
8	8
6	6
6	6
4x101	
4x35	
4x64	
4x51	
Grey cover: 120 mm internal height, 175 mm total height	
Transparent cover: 160 mm internal height, 210 mm total height	

Ordering data

Enclosure with grey lid	
Enclosure with transparent lid	
Note	

Type	Order No.
TBF 60/37/18 7036	9502320000
TBF 60/37/21 trsp	9502360000
Note	

Type	Order No.
TBF 60/60/18 7036	9502330000
TBF 60/60/21 trsp	9502370000
Note	

Accessories

Mounting plate	
2 mm sheet steel	zinc-plated
External fixing lugs	
Set of 4 pieces each	polyamide
Earthstud	
M5	Brass
M6	stainless steel
M10	Brass
M10	stainless steel
Note	

Type	Qty.	Order No.
MP TBF 60/37	1	9502910000
MF TBF	1	0360300000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500370000
Note		

Type	Qty.	Order No.
MP TBF 60/60	1	9502920000
MF TBF	1	0360300000
ES TBF M5 brass	1	9502700000
ES TBF M6 ss	1	9505240000
ES TBF M10 brass	1	9502710000
ES TBF M10 ss	1	9500370000
Note		

Small polycarbonate enclosures

The enclosures of the MPC series are made from polycarbonate, which is particularly ideal for electrical, electro-mechanical and pneumatic devices or circuit boards. The enclosures come with extensive accessories for applications in demanding mechanical and chemical environments.

Features:

- 9 sizes
- Grey or transparent cover
- Cover with sealing holes
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails, mounting plates and PCBs



Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.

Technical data

Material	Polycarbonate
Cover	Transparent or grey
Surface	Grey similar to RAL 7035
Gasket	Foamed polyurethane
Cover fixing	4 crosshead screws (polyamide)
Enclosure mounting	4 holes Ø 4.5 or external fixing lugs (accessories)
Equipment mounting	Self-tapping screws
Protection class	IP 66 and IP 67
Temperature range	-50 °C to +130 °C

Overview of enclosures

Type H x W x D	75 x 125 x 75	75 x 125 x 125	125 x 125 x 75	125 x 175 x 75	125 x 175 x 100	125 x 175 x 125
Grey cover	9535170000	9535210000	9535290000	9535290000	9535310000	9535330000
Transparent cover	9535180000	9535220000	9535240000	9535300000	9535320000	9535340000

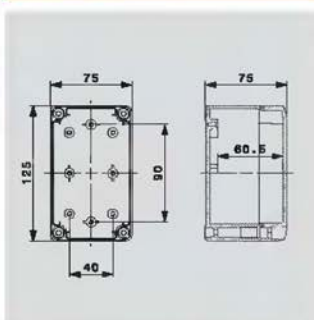
Type H x W x D	175 x 175 x 75	175 x 175 x 150	175 x 250 x 100
Grey cover	9535370000	9535430000	9535470000
Transparent cover	9535380000	9535440000	9535480000

Small polycarbonate enclosure



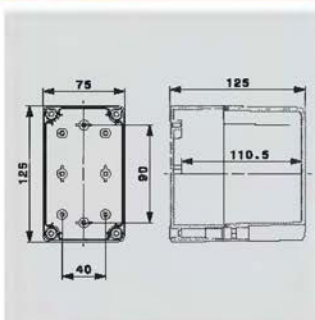
Height x Width x Depth mm

MPC 07/12/07



125 x 75 x 75

MPC 07/12/12



125 x 75 x 125

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	
M20	
M25	

55	
209	
top / bottom	left / right
1	3
1	3

106	
300	
top / bottom	left / right
1	3
1	3

Terminal content

WDU 2.5 / ZDU 2.5
WDU 4 / ZDU 4
WDU 6 / ZDU 6
WDU 10 / ZDU 10

Note

1x13
1x11
1x8
1x6

Ordering data

Enclosure with gray lid	
Enclosure with transparent lid	
Note	

Type	Order No.
MPC 07/12/07 7035	9535170000
MPC 07/12/07 trsp	9535180000

Type	Order No.
MPC 07/12/12 7035	9535210000
MPC 07/12/12 trsp	9535220000

Accessories

Mounting plate	
1.5 mm sheet steel	zinc-plated
Other accessories	
External fixing lugs	Set of 4 pieces each
Hinges	Set of 2 pieces each

Type	Qty.	Order No.
MP MPC 07/12	10	9535540000
MF MPC	1	9535600000
HG MPC	1	9535590000

Type	Qty.	Order No.
MP MPC 07/12	10	9535540000
MF MPC	1	9535600000
HG MPC	1	9535590000

Note

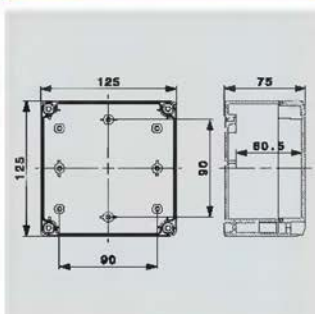
MPC - Polycarbonate enclosures

Small polycarbonate enclosure



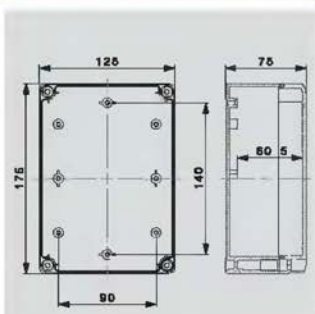
Height x Width x Depth mm

MPC 12/12/07



125 x 125 x 75

MPC 12/17/07



175 x 125 x 75

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	
M20	
M25	

55	
283	
top / bottom	left / right
3	3
3	3

55	
381	
top / bottom	left / right
3	4
3	4

Terminal content

WDU 2,5 / ZDU 2,5
WDU 4 / ZDU 4
WDU 6 / ZDU 6
WDU 10 / ZDU 10

Note

Ordering data

Enclosure with gray lid	
Enclosure with transparent lid	
Note	

Type	Order No.
MPC 12/12/07 7035	9535290000
MPC 12/12/07 trsp	9535240000

Type	Order No.
MPC 12/17/07 7035	9535290000
MPC 12/17/07 trsp	9535300000

Accessories

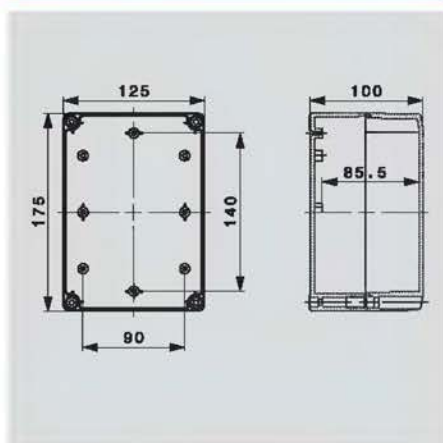
Mounting plate	
1.5 mm sheet steel	zinc-plated
Other accessories	
External fixing lugs	Set of 4 pieces each
Hinges	Set of 2 pieces each

Type	Qty.	Order No.
MP MPC 12/12	10	9535560000
MF MPC	1	9535600000
HG MPC	1	9535590000

Type	Qty.	Order No.
MP MPC 12/17	10	9535560000
MF MPC	1	9535600000
HG MPC	1	9535590000

Note

MPC 12/17/10



175 x 125 x 100

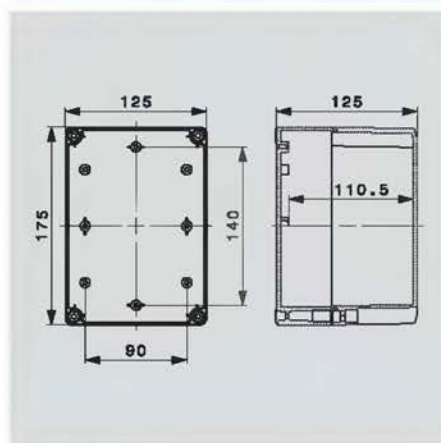
80	
465	
top / bottom	left / right
3	4
3	4

1x22	
1x19	
1x14	
1x11	

Type	Order No.
MPC 12/17/10 7035	9535310000
MPC 12/17/10 trsp	9535320000

Type	Qty.	Order No.
MP MPC 12/17	10	9535560000
MF MPC	1	9535600000
HG MPC	1	9535590000

MPC 12/17/12



175 x 125 x 125

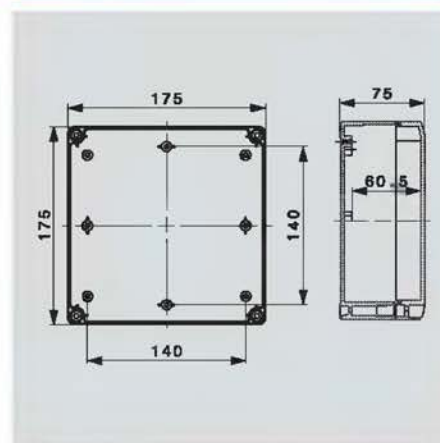
105	
530	
top / bottom	left / right
3	4
3	4

1x22	
1x19	
1x14	
1x11	

Type	Order No.
MPC 12/17/12 7035	9535330000
MPC 12/17/12 trsp	9535340000

Type	Qty.	Order No.
MP MPC 12/17	10	9535560000
MF MPC	1	9535600000
HG MPC	1	9535590000

MPC 17/17/07



175 x 175 x 75

55	
461	
top / bottom	left / right
4	4
4	4

1x22	
1x19	
1x14	
1x11	

Type	Order No.
MPC 17/17/07 7035	9535370000
MPC 17/17/07 trsp	9535380000

Type	Qty.	Order No.
MP MPC 17/17	10	9535570000
MF MPC	1	9535600000
HG MPC	1	9535590000

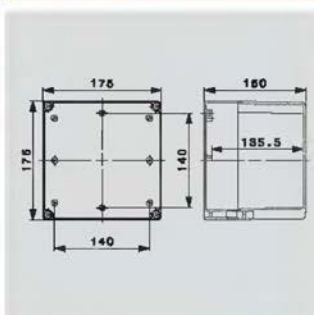
MPC - Polycarbonate enclosures

Small polycarbonate enclosure



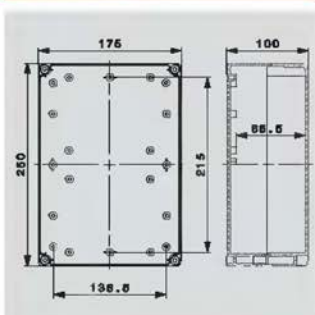
Height x Width x Depth mm

MPC 17/17/15



175 x 175 x 150

MPC 17/25/10



250 x 175 x 100

Technical data

Dimensions		mm		inches	
Interior depth	mm	130		80	
Weight	g	717		743	
Cable entries					
M16	top / bottom	left / right		top / bottom	left / right
M20	4	4		4	7
M25	4	4		4	6

Terminal content

WDU 2.5 / ZDU 2.5	1x22	1x37
WDU 4 / ZDU 4	1x19	1x31
WDU 6 / ZDU 6	1x14	1x23
WDU 10 / ZDU 10	1x11	1x19

Note

Ordering data

Ordering code		Type	Order No.	Type	Order No.
Enclosure with grey lid		MPC 17/17/15.7035	9535430000	MPC 17/25/10.7035	9535470000
Enclosure with transparent lid		MPC 17/17/15.trsp	9535440000	MPC 17/25/10.trsp	9535480000

Note

Accessories

Accessories			Type	Qty.	Order No.	Type	Qty.	Order No.
Mounting plate								
1.5 mm sheet steel	zinc-plated		MP MPC 17/17	10	9535570000	MP MPC 17/25	10	9535580000
Other accessories								
External fixing lugs	Set of 4 pieces each		MF MPC	1	9535600000	MF MPC	1	9535600000
Hinges	Set of 2 pieces each		HG MPC	1	9535590000	HG MPC	1	9535590000

Note

Medium-sized polycarbonate enclosures

The enclosures of the FPC series represent the next generation of the MPC series.

Features:

- 6 sizes
- Grey or transparent cover
- Cover with sealing holes
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails, mounting plates and PCBs

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data

Material	Polycarbonate
Cover	Transparent or grey
Surface	Grey similar to RAL 7035
Gasket	Foamed polyurethane
Cover fixing	4 crosshead screws (polyamide)
Enclosure mounting	4 holes Ø 7.5 or external fixing lugs (accessories)
Equipment mounting	Self-tapping screws
Protection class	IP 65 and IP 67
Temperature range	-50 °C to +130 °C

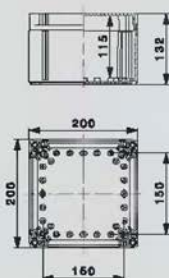
Overview of enclosures

Type H x W x D	200 x 200 x 130	200 x 300 x 130	200 x 400 x 130	300 x 300 x 130	300 x 400 x 130	400 x 600 x 130
Enclosure with grey lid	9535690000	9535710000	9535730000	9535750000	9535770000	9535810000
Enclosure with transparent lid	9535680000	9535700000	9535720000	9535740000	9535760000	9535820000

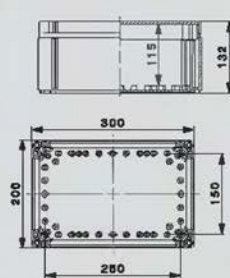
Medium-sized polycarbonate enclosure



FPC 20/20/13



FPC 20/30/13



Height x Width x Depth mm

200 x 200 x 130

300 x 200 x 130

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	
M20	
M25	
M32	
M40	
M50	
Terminal content	
WDU 2.5 / ZDU 2.5	
WDU 4 / ZDU 4	
WDU 6 / ZDU 6	
WDU 10 / ZDU 10	
Note	

110	
1039	
top / bottom	left / right
11	11
6	6
4	4
2	2
1	1
1	1

1x17	
1x14	
1x10	
1x8	

110	
1349	
top / bottom	left / right
21	11
12	6
8	4
3	2
3	1
2	1

2x20	
2x17	
2x13	
2x10	

Ordering data

Enclosure with gray lid	
Transparent lid	
Note	

Type	Order No.
FPC 20/20/13 7035	9535690000
FPC 20/20/13 trsp	9535680000

Type	Order No.
FPC 20/30/13 7035	9535710000
FPC 20/30/13 trsp	9535700000

Accessories

Mounting plate	
1.5 mm sheet steel	zinc-plated
Other accessories	
External fixing lugs	Set of 4 pieces each
Hinges	Set of 2 pieces each

Type	Qty.	Order No.
MP FPC 20/20	1	9535920000
MF FPC	1	9536040000
HG FPC	1	9535990000

Type	Qty.	Order No.
MP FPC 20/30	1	9535930000
MF FPC	1	9536040000
HG FPC	1	9535990000

Note

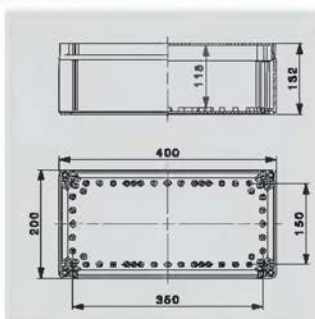
FPC - Polycarbonate enclosures

Medium-sized polycarbonate enclosure



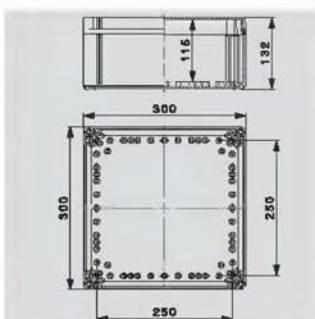
Height x Width x Depth mm

FPC 20/40/13



400 x 200 x 130

FPC 30/30/13



300 x 300 x 130

Technical data

Dimensions	
Interior depth	mm
Weight	g
Cable entries	
M16	
M20	
M25	
M32	
M40	
M50	
Terminal content	
WDU 2.5 / ZDU 2.5	
WDU 4 / ZDU 4	
WDU 6 / ZDU 6	
WDU 10 / ZDU 10	
Note	

110	
1674	
top / bottom	left / right
30	11
18	6
12	4
6	2
4	1
4	1
3x20	
3x17	
3x13	
3x10	

110	
1738	
top / bottom	left / right
21	21
12	12
8	8
3	3
3	3
2	2
2x40	
2x33	
2x25	
2x20	

Ordering data

Enclosure with gray lid	
Transparent lid	
Note	

Type	Order No.
FPC 20/40/13 7035	9535730000
FPC 20/40/13 trsp	9535720000

Type	Order No.
FPC 30/30/13 7035	9535750000
FPC 30/30/13 trsp	9535740000

Accessories

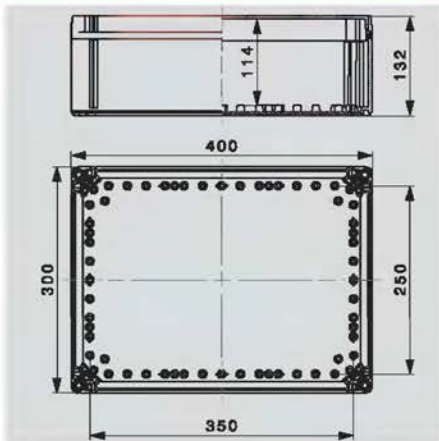
Mounting plate	
1.5 mm sheet steel	zinc-plated
Other accessories	
External fixing lugs	Set of 4 pieces each
Hinges	Set of 2 pieces each

Type	Qty.	Order No.
MP FPC 20/40	1	9535940000
MF FPC	1	9535940000
HG FPC	1	9535990000

Type	Qty.	Order No.
MP FPC 30/30	1	9535960000
MF FPC	1	9535940000
HG FPC	1	9535990000

Note

FPC 30/40/13



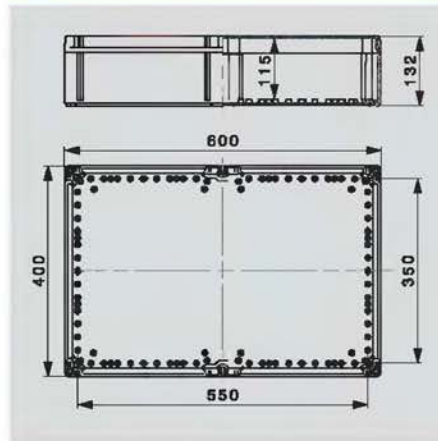
400 x 300 x 130

110	
2199	
top / bottom	left / right
30	21
18	12
12	8
5	3
4	3
4	2
3x40	
3x33	
3x25	
3x20	

Type	Order No.
FPC 30/40/13 7035	9535770000
FPC 30/40/13 trsp	9535760000

Type	Qty	Order No.
MF FPC 30/40	1	9535960000
MF FPC	1	9536040000
HG FPC	1	9535990000

FPC 40/60/13



600 x 400 x 130

110	
3964	
top / bottom	left / right
42	30
24	18
16	12
6	5
6	4
4	4
5x59	
5x49	
5x37	
5x30	

Type	Order No.
FPC 40/60/13 7035	9535810000
FPC 40/60/13 trsp	9535820000

Type	Qty	Order No.
MF FPC 40/60	1	9535980000
MF FPC	1	9536040000
HG FPC	1	9535990000

Cable entries

Cable entries	Introduction	B.2
	Standard cable glands – plastic	B.8
	Standard cable glands – brass	B.10
	EMC cable glands	B.12
	Cable glands for Ex applications - plastic	B.14
	Cable glands for Ex applications - brass	B.15
	Locknuts	B.20
	Thread sealing rings	B.22
	Earthing rings	B.23
	Blanking plugs	B.24
	Adapters	B.26
	Compensating elements	B.28

Cable glands

We offer a coordinated assortment of cable glands for a wide range of applications:

- Control units
- Cable glands made of plastic and brass
- EMC cable glands
- For hazardous areas in accordance with EN 50014, EN 50019 and ATEX
- VDE, CSA and UL approvals

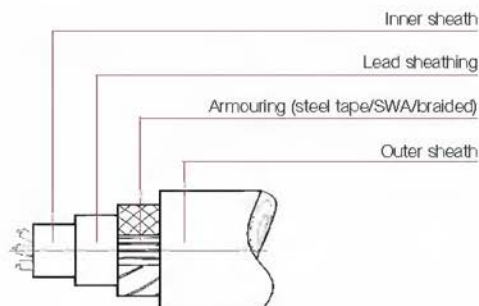
Cable entries, for example, in enclosures for heavy-duty connectors, can be easily and safely accomplished.

The instructions for installation in hazardous areas comply with the standards CENELEC EN 50014 – 50018 – 50019

- Increased safety in accordance with EN 50019; screwed directly into the housing or utilising a locknut. Unused entries must be sealed with a certified blanking plug.
- Flameproof in accordance with EN 50018; screwed directly into the housing with five complete turns of the thread (approx. 8 mm). Unused entries must be sealed with a certified blanking plug.



Armoured cable



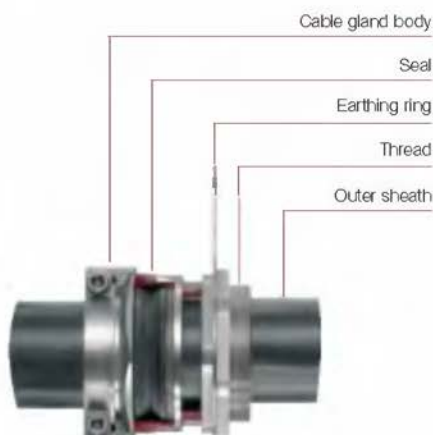
Non-armoured cable



Cable gland for armoured cable



Cable gland for non-armoured cable



Sealing materials used

Material designation	Chemical designation	Trade names (examples)
TPE	Thermoplastic elastomer	Santopren
CR	Chloroprene rubber	Bayprene, Neoprene, Butaclor, Polio-Tex Neoprene, Denka
NBR, Silicone	Nitrile-butadiene rubber	Perbunan NT, Krynac, Europrene, Nipol N, Breon, Hycar, Chemgum, Elaprim, JSR-N
EPDM	Ethylene Propylene Diene Monomer	Keltan, Buna EP, Dutral, Vestalon, Nordel, APTK, Royakine, Epocar

Glands

The tables below provide an overview of the Weidmüller cable glands and the recommended accessories.

Standard glands

Material/Type	Approvals				Thread sealing rings				Locknuts			
	IP class of protection without seal	with seal	EX	EMC	Armouring	CSM GWR...Po	CR GWR...IP	O-Ring	grey S90U...K GR	black S90U...K SW	brass S90U...MS	MS EMC S90U EMV...
Plastic												
 VG ... K67	IP67								●			
 VG ... K68	IP68 / 5 bar								●			
 VG ... K68 SKS	IP68 / 5 bar								●			
Nickel-plated brass												
 VG ... MS54	IP54	IP66				optional					●	
 VG ... MS68		IP68 / 5 bar						included			●	
 VG ... MS64-ZE	IP54	IP66				optional					●	
 VG ... BMV		IP68 / 10 bar		●				included				●
 VG ... 1/BMV		IP68 / 5 bar		●				included				●
Stainless steel glands on request												

Stainless steel glands on request

Cable glands Ex

Material/Type		Approvals			Thread sealing rings			Locknuts					
		IP class of protection without seal	IP class of protection with seal	EX	EMC	Armouring	CSM GWR...Po	CR GWR...IP	O-Ring	grey S90U...K GR	black S90U...K SW	brass S90U...MS	MS EMC S90U EMV...
Plastic Ex													
	VG ... Exe SW	IP66	IP69	EEExe			optional				●		
	VG ... Ex BL	IP66	IP69	EEEx			optional				●		
Nickel-plated brass Ex													
	VG ... Exe MS		IP68 / 20 bar	EEExe				included			●	●	
	VG ... 1/Exe/d MS		IP66, IP68 / 2.5 bar	EEExe/d				included			●	●	
	VG ... 1/Exe/d A MS		IP66, IP68 / 2.5 bar	EEExe/d	●	●		included			●	●	
Brass Ex													
	VG ... 1/Exe/d MSN		IP66, IP68 / 2.5 bar	EEExe/d				included			●	●	
	VG ... 1/Exe/d A MSN		IP66, IP68 / 2.5 bar	EEExe/d	●	●		included			●	●	

Stainless steel glands on request

Adapters

Material/Type	Approvals		EX	Thread sealing rings			Locknuts			
	IP class of protection with seal			CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic										
 DAE M12 PA	IP66, IP68, IP69K					included				
 DAE M12 PA long	IP66, IP68, IP69K					included		●		
Plastic Ex										
 EWS ...	IP55		●	●						
Stainless steel										
 DAE M12 SS	IP66, IP68, IP69K					included			●	●
Stainless steel Ex										
 BD 1 ss, BD 2 ss	IP66									
Brass Ex										
 BD 1 ... , BD 2 ...	IP66									

Blanking plugs

Material/Type	Approvals		EX	Thread sealing rings			Locknuts			
	IP class of protection without seal	IP class of protection with seal		CSM GWDR...Po	CR GWDR...NP	O-Ring	grey SKMU...K GR	black SKMU...K SW	brass SKMU...MS	MS EMC SKMU EMV...
Plastic										
 VP ... K54	IP54	IP66					●	●		
Nickel-plated brass										
 VP ... MS65		IP68				included			●	●
Plastic Ex										
 VP ... Eex SW	IP66	IP66, IP68	EExe		optional			●		
Nickel-plated brass Ex										
 VP ... Exe MS		IP68	EExe/d			included			●	●

Cable glands

The sizes given here were calculated for multicore cables.
Please note the clamping range of the cable gland selected.

Cross-section	No. of cores	appr. cable mm
0.5 mm² AWG 20	2	5.7 – 8.7
	3	6.0 – 9.0
	4	6.7 – 9.7
	5	7.2 – 10.2
	6	7.6 – 10.6
	7	8.0 – 10.6
	8	9.4 – 12.8
	10	9.4 – 12.8
	12	9.7 – 12.9
	14	10.2 – 13.4
	16	10.7 – 13.9
	21	12.3 – 15.1
	24	13.5 – 16.7
	30	14.3 – 17.5
	35	16.0 – 18.6
	40	16.6 – 19.2
	52	19.2 – 21.6
	61	20.3 – 23.1
	80	22.9 – 25.7
	100	26.4 – 29.6

Cross-section	No. of cores	appr. cable mm
0.75 mm² AWG 18	2	6.8 – 9.8
	3	7.2 – 9.7
	4	7.9 – 10.3
	5	8.9 – 10.9
	6	8.9 – 12.3
	7	9.6 – 12.3
	8	10.4 – 13.8
	9	10.7 – 13.9
	10	10.4 – 13.8
	12	10.7 – 13.9
	15	12.3 – 13.5
	18	13.0 – 16.2
	21	13.6 – 16.8
	25	15.9 – 18.5
	32	17.1 – 19.7
	40	19.0 – 21.4
	50	21.3 – 24.1
	61	22.6 – 25.4
	80	26.1 – 29.3
	100	29.4 – 33.0

Cross-section	No. of cores	appr. cable mm
1 mm² AWG 16 – 18	2	7.1 – 10.1
	3	7.5 – 10.1
	4	8.4 – 10.7
	5	9.2 – 11.4
	6	9.2 – 12.6
	7	9.2 – 12.6
	8	11.0 – 14.4
	9	11.8 – 15.2
	10	11.0 – 14.4
	12	11.8 – 14.6
	14	12.4 – 15.2
	16	13.0 – 16.2
	18	13.7 – 16.9
	20	14.4 – 17.6
	24	16.5 – 19.1
	25	16.9 – 19.5
	34	19.4 – 21.8
	48	22.0 – 24.8
	56	23.2 – 26.0
	61	24.5 – 27.2
	80	27.7 – 30.9
	100	31.8 – 35.2

Metric thread			
12	16	20	
12	16	20	
12	16	20	
16	20		
16	20		
16	20		
16	20	25	
16	20	25	
16	20	25	
20	25		
20	25		
20	25		
25	32		
25	32		
25	32		
25	32	40	
32	40		
32	40		
32	40		
40	50		

Metric thread			
12	16	20	
12	16	20	
12	16	20	
16	20		
16	20	25	
16	20	25	
20	25		
20	25		
20	25		
20	25		
25	32		
25	32		
25	32		
25	32		
32	40		
32	40		
40			
40	50		
40	50		

Metric thread			
12	16	20	
12	16	20	
16	20		
16	20	25	
16	20	25	
16	20	25	
20	25		
20	25	32	
20	25	32	
20	25	32	
25	32		
25	32		
25	32	40	
25	32	40	
25	32	40	
32	40		
40			
40	50		
40	50		
40	50		
40	50	63	

PG thread			
9			
9			
9	11		
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	
11	13.5	16	
13.5	16	21	
13.5	16	21	
16	21		
21			
21	29		
21	29		
29	36		
29	36		

PG thread			
9	11		
9	11		
9	11		
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	
11	13.5	16	
11	13.5	16	
13.5	16		
13.5	16	21	
13.5	16	21	
21	29		
21	29		
21	29		
21	29		
21	29	36	
29	36		
36			

PG thread			
9	11		
9	11		
9	11	13.5	
9	11	13.5	16
9	11	13.5	16
9	11	13.5	16
11	13.5	16	21
11	13.5	16	21
11	13.5	16	21
11	13.5	16	21
13.5	16	21	
13.5	16	21	
16	21		
21	29		
21	29		
21	29		
21	29		
21	29	36	
29	36		
36			
36	42		

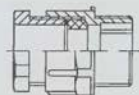
PG thread				
11	13.5	16	21	
	13.5	16	21	
		16	21	
			21	29 36
				29 36

Standard cable glands - plastic

Glands - plastic - IP54



Plastic gland for industrial applications



Technical data

Material / colour	- / RAL 7035
Seal	Soft rubber
Temperature range	-20 °C ... 60 °C
Flammability class	V2
Class of protection / with sealing ring	IP 54 / IP 65

Note: Metric gland: material: polyamide
PG-gland: material: polystyrene

Ordering data

Thread size metric	Clamping range [mm]	Qty.	Order No.
M 12	6 - 8	50	1777030000
M 16	8 - 10	50	1777070000
M 20	8 - 10	50	1777050000
M 25	12 - 14	50	1777030000
M 25	15 - 17	50	1778330000
M 32	24 - 26	25	1777020000
M 40	28 - 30	25	1777010000
M 50	31 - 33	10	1776990000
M 63	46 - 47	10	1776930000
PG			
PG 7	5 - 7	100	0521500000
PG 9	6 - 8	100	0261500000
PG 11	8 - 10	100	0260700000
PG 13,5	10 - 12	100	0260800000
PG 16	12 - 14	50	0261400000
PG 21	15 - 17	50	0260900000
PG 29	24 - 26	25	0261000000
PG 36	31 - 33	25	0497600000
PG 42	39 - 40	10	0497700000
PG 48	46 - 47	5	1718700000

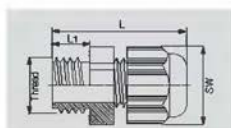
Halogen-free without O-ring

Glands - plastic - IP67



n

Inexpensive alternative for industrial applications - without approvals



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / TPE
Temperature range	-20 °C ... 90 °C
Class of protection / Flammability class	IP 67 / V2

Note: Version with moulded sealing lip
Length L varies depending on the cable diameter used

Ordering data

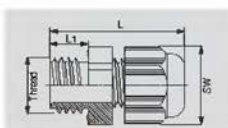
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-K67	M 12 x 1.5	3 - 6.5	23.9 / 8	15	100	1909930000
VG M16-K67	M 16 x 1.5	4 - 8	27.7 / 8	19	50	1909670000
VG M16-K67	M 16 x 1.5	5 - 10	29 / 10	22	50	1909680000
VG M20-K67	M 20 x 1.5	6 - 12	29.2 / 10	24	50	1909690000
VG M20-K67	M 20 x 1.5	10 - 14	32.8 / 10	27	50	1909700000
VG M25-K67	M 25 x 1.5	13 - 18	37.9 / 10	33	25	1909710000
VG M32-K67	M 32 x 1.5	18 - 25	40.7 / 10	42	20	1909720000
VG M40-K67	M 40 x 1.5	22 - 32	51.3 / 10	53	10	1909730000
VG M50-K67	M 50 x 1.5	30 - 38	63.6 / 18	60	10	1909740000
VG M63-K67	M 63 x 1.5	34 - 44	66 / 18	66	10	1909750000
PG						
VG PG7-K67	PG 7	3 - 6.5	23.9 / 8	15	100	1909760000
VG PG9-K67	PG 9	4 - 8	27.7 / 8	19	50	1909770000
VG PG11-K67	PG 11	5 - 10	29 / 8	22	50	1909780000
VG PG13,5-K67	PG 13.5	6 - 12	29.2 / 9	24	50	1909790000
VG PG16-K67	PG 16	10 - 14	32.8 / 9	27	50	1909800000
VG PG21-K67	PG 21	13 - 18	37.9 / 11	33	25	1909810000
VG PG29-K67	PG 29	18 - 25	40.7 / 11	42	20	1909820000
VG PG36-K67	PG 36	22 - 32	51.3 / 13	53	10	1909830000
VG PG42-K67	PG 42	30 - 38	63.6 / 13	60	10	1909840000
VG PG48-K67	PG 48	34 - 44	66 / 14	66	10	1909850000

no approvals, halogen-free without O-ring, Torque settings available

Glands - plastic - IP68



Plastic cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection/Flammability class	IP 68 - 5 bar / V2
Standard	EN 50262 (for metric thread)

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

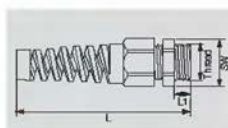
Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-1/68	M 12 x 1.5	3 - 6.5	32.4 / 8	15	100	1772200000
VG M16-1/68	M 16 x 1.5	4.5 - 10	35.7 / 10	22	50	1900600000
VG M20-1/68	M 20 x 1.5	6 - 12	41.2 / 10	24	50	1772300000
VG M25-1/68	M 25 x 1.5	11 - 17	43.2 / 8	29	25	1900670000
VG M32-1/68	M 32 x 1.5	15 - 21	50.7 / 10	36	20	1900630000
VG M40-1/68	M 40 x 1.5	19 - 28	55.2 / 10	46	10	1900690000
VG M50-1/68	M 50 x 1.5	27 - 38	70.3 / 18	60	10	1900900000
VG M63-1/68	M 63 x 1.5	34 - 44	72.9 / 18	65	10	1772350000
PG						
VG 7-K68	PG 7	3 - 6.5	30.5 / 8	15	100	1568970000
VG 9-K68	PG 9	4 - 8	34 / 8	19	50	1568980000
VG 11-K68	PG 11	5 - 10	37 / 8	22	50	1568990000
VG 13.5-K68	PG 13.5	6 - 12	39 / 9	24	50	1569000000
VG 16-K68	PG 16	10 - 14	42.5 / 10	27	50	1569010000
VG 21-K68	PG 21	13 - 18	48 / 11	33	25	1569020000
VG 29-K68	PG 29	18 - 25	53 / 11	42	20	1569030000
VG 36-K68	PG 36	22 - 32	65 / 13	53	10	1569040000
VG 42-K68	PG 42	30 - 38	68 / 13	60	10	1569050000
VG 48-K68	PG 48	34 - 44	69 / 14	65	10	1718770000

VDE for metric version, halogen-free without O-ring. Torque settings available

Glands - plastic - SKS



Plastic gland with spiral antiskid protection especially for flexible connections



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 80 °C
Class of protection/Flammability class	IP 68 - 5 bar / V2
Standard	EN 50262 (for metric thread)

Note	Version with moulded sealing lip Length L varies depending on the cable diameter used
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Ordering data

Type metric	Thread-size	KB	L/L1	SW	Qty.	Order No.
VG M12-K68 SKS	M 12 x 1.5	3 - 6.5	65.5 / 8	15	100	1776700000
VG M16-K68 SKS	M 16 x 1.5	5 - 10	80 / 10	22	50	1776710000
VG M20-K68 SKS	M 20 x 1.5	6 - 12	106 / 11	24	50	1776720000
VG M25-K68 SKS	M 25 x 1.5	10 - 14	106 / 15	27	50	1776730000
VG M32-K68 SKS	M 32 x 1.5	13 - 18	129 / 15	33	25	1776740000
PG						
VG 7-K68 SKS	PG 7	3 - 6.5	62 / 8	15	50	1720470000
VG 9-K68 SKS	PG 9	4 - 8	78 / 8	19	50	1720480000
VG 11-K68 SKS	PG 11	5 - 10	84 / 8	22	100	1720490000
VG 13.5-K68 SKS	PG 13.5	6 - 12	105 / 9	24	50	1720500000
VG 16-K68 SKS	PG 16	10 - 14	117 / 10	27	25	1720510000
VG 21-K68 SKS	PG 21	13 - 18	130 / 11	33	20	1720520000

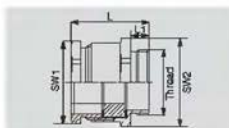
VDE for metric version, halogen-free without O-ring. Torque settings available

Standard cable glands - brass

Glands - brass - IP54



Brass cable gland for industrial applications



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / soft rubber
Temperature range	-30 °C ... 60 °C
Class of protection / with GWRD	IP 54 / IP 65
Standard	DIN 46230 / C4

Note	Optional sealing ring Length L varies depending on the cable diameter used
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Ordering data

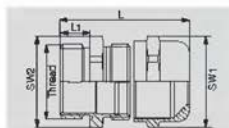
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-MS54	M 12 x 1.5	5 - 7	21.5 / 6	14 / 13	100	1778400000
VG M12-MS54	M 12 x 1.5	6 - 8	22 / 6	17 / 15	100	1778400000
VG M16-MS54	M 16 x 1.5	8 - 10	26 / 6	20 / 18	100	1778300000
VG M20-MS54	M 20 x 1.5	8 - 10	26.5 / 6.5	22 / 18	50	1778300000
VG M20-MS54	M 20 x 1.5	10 - 12	26.5 / 6.5	22 / 20	50	1778300000
VG M25-MS54	M 25 x 1.5	12 - 14	27.5 / 7	27 / 22	50	1778300000
VG M25-MS54	M 25 x 1.5	15 - 17	29.5 / 7	30 / 28	50	1778300000
VG M32-MS54	M 32 x 1.5	24 - 26	33 / 8	40 / 38	25	1778300000
VG M40-MS54	M 40 x 1.5	28 - 30	33 / 8	43 / 37	25	1778300000
VG M50-MS54	M 50 x 1.5	31 - 33	39 / 9	55 / 47	10	1778300000
VG M60-MS54	M 60 x 1.5	39 - 41	43 / 9	57 / 54	5	1778300000
VG M63-MS54	M 63 x 1.5	45 - 47	45 / 10	68 / 60	5	1778300000
PG						
VG 7-MS54	PG 7	5 - 7	20.5 / 5	14 / 13	100	0521500000
VG 9-MS54	PG 9	6 - 8	22 / 6	17 / 15	100	0261500000
VG 11-MS54	PG 11	8 - 10	26 / 6	20 / 18	50	0260700000
VG 13.5-MS54	PG 13.5	10 - 12	26 / 6.5	22 / 20	50	0260800000
VG 16-MS54	PG 16	12 - 14	27 / 6.5	24 / 22	50	0261400000
VG 21-MS54	PG 21	15 - 17	29.5 / 7	30 / 28	50	0260900000
VG 29-MS54	PG 29	24 - 26	33 / 8	40 / 37	25	0261000000
VG 36-MS54	PG 36	33 - 35	39 / 9	50 / 47	20	0497600000
VG 42-MS54	PG 42	41 - 43	44 / 10	57 / 54	10	0497700000
VG 48-MS54	PG 48	45 - 47	45 / 10	64 / 60	5	1718700000

Further versions on request, Torque settings available

Glands - brass - IP68



Brass cable gland for industrial applications where class of protection IP 68 is called for.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWRD	IP 68 / IP 68 - 5 bar
	IP 69 k

Note	Length L varies according to cable diameter used IP 67 k does not apply to PG 29, 36, 42, 48
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Ordering data

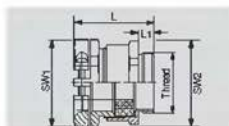
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-1/MS58	M 12 x 1.5	3 - 6.5	27.2 / 5	14	50	1772200000
VG M16-1/MS58	M 16 x 1.5	4.5 - 10	37.3 / 7.5	20	50	1909910000
VG M20-1/MS58	M 20 x 1.5	6 - 12	32 / 8	22	50	1772200000
VG M25-1/MS58	M 25 x 1.5	11 - 17	42 / 8	27	25	1909920000
VG M32-1/MS58	M 32 x 1.5	15 - 21	45 / 8	34	20	1909930000
VG M40-1/MS58	M 40 x 1.5	19 - 28	55.1 / 9	43	20	1909940000
VG M50-1/MS58	M 50 x 1.5	27 - 38	62.2 / 9	59	12	1909950000
VG M63-1/MS58	M 63 x 1.5	34 - 44	63.6 / 14	68 / 64	12	1772270000
PG						
VG 7-MS58	PG 7	3 - 6.5	23 / 5	14	50	1569090000
VG 9-MS58	PG 9	4 - 8	27 / 6	17	50	1569070000
VG 11-MS58	PG 11	5 - 10	28.5 / 6	20	50	1569080000
VG 13.5-MS58	PG 13.5	6 - 12	29.5 / 6.5	22	50	1569090000
VG 16-MS58	PG 16	10 - 14	29.5 / 6.5	24	25	1569100000
VG 21-MS58	PG 21	13 - 18	33.5 / 7	30	25	1569110000
VG 29-MS58	PG 29	18 - 25	37.5 / 8	40	20	1569120000
VG 36-MS58	PG 36	22 - 32	45 / 9	50	15	1569130000
VG 42-MS58	PG 42	30 - 38	47.5 / 10	58	12	1569140000
VG 48-MS58	PG 48	34 - 44	50.5 / 10	64	12	1718790000

Further versions on request
VDE for metric versions, Torque settings available

Glands - brass - ZE



Brass cable gland with external concentric strain relief by means of clamping jaws



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-30 °C ... 90 °C
Class of protection / with GWDR	IP 54 / IP 65

Note	Optional sealing ring Length L varies depending on the cable diameter used
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Ordering data

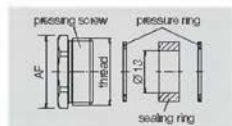
Type metric	Thread size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M12-MS54 ZE	M 12 x 1.5	5 - 7	21.5/6	14	100	1778420000
VG M16-MS54 ZE	M 16 x 1.5	4 - 9.5	26/6	18	100	1778440000
VG M20-MS54 ZE	M 20 x 1.5	6 - 11.5	26.5/6.5	22	50	1778450000
VG M25-MS54 ZE	M 25 x 1.5	6 - 13.5	26.5/6.5	22	50	1778460000
VG M32-MS54 ZE	M 32 x 1.5	9 - 21.5	29.5/7	30	50	1778480000
VG M40-MS54 ZE	M 40 x 1.5	17 - 29.5	33/8	39	25	1778490000
VG M50-MS54 ZE	M 50 x 1.5	23 - 36.5	33/8	43	25	1778500000
VG M63-MS54 ZE	M 63 x 1.5	29 - 42.5	43/9	57	5	1778520000
VG M80-MS54 ZE	M 80 x 1.5	35 - 46.5	46/10	68	5	1778530000
PG						
VG 7-MS54-ZE	PG 7	5 - 7	27/6	14/16	50	1718800000
VG 9-MS54-ZE	PG 9	4 - 11	30.5/6	17/19	50	1718810000
VG 11-MS54-ZE	PG 11	6 - 13	31.5/6	20/22	50	1718820000
VG 13.5-MS54-ZE	PG 13.5	6 - 13	32/6.5	22/24	50	1718830000
VG 16-MS54-ZE	PG 16	6 - 16	33/6.5	24/27	50	1718840000
VG 21-MS54-ZE	PG 21	9 - 20	38/7	30/34	50	1718850000
VG 29-MS54-ZE	PG 29	17 - 28	43/8	40/42	25	1718860000
VG 36-MS54-ZE	PG 36	23 - 34	49.5/9	50/52	10	1718870000
VG 42-MS54-ZE	PG 42	29 - 40	53.5/10	57/62	5	1718880000
VG 48-MS54-ZE	PG 48	35 - 46	55/10	64/68	5	1718890000

Further variants on request, Torque settings available

Pressure screws - brass - IP65



Half cable glands are designed for use in the new HDC RockStar base housings. The combination of half cable gland and housing provides IP 65 class of protection.



Technical data

Material	Nickel-plated brass
- pressure screw	SEI / NBR
- sealing ring	Polyamide
- pressure ring	-
Temperature range	-20°C ... +60°C

Note

Ordering data

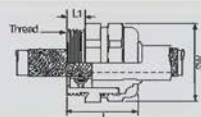
Type metric	Thread	Inserts in mm	SW	Qty.	Order No.
VG H M20 MS	M 20 x 1.5	4 x 7 x 10 x 13	20	50	1921720000
VG H M25 MS	M 25 x 1.5	8.5 x 11.5 x 14.5 x 18	25	25	1921740000
VG H M32 MS	M 32 x 1.5	16 x 19 x 22 x 26	32	20	1921760000
VG H M40 MS	M 40 x 1.5	23 x 26 x 29 x 32	40	10	1921770000
PG					
KV 11 - M	PG 11	7.5 x 10 x 12.5	18	10	1656390000
KV 13 - M	PG 13.5	7.5 x 10 x 12.5	20	10	1656400000
KV 16 - M	PG 16	7.5 x 10 x 12.5 x 15	22	10	1656410000
KV 21 - M	PG 21	10 x 13 x 16 x 19	28	10	1656420000
KV 29 - M	PG 29	18 x 21 x 24 x 27	37	10	1656430000
KV 36 - M	PG 36	24 x 27 x 30 x 33	47	5	1656440000
KV 42 - M	PG 42	30 x 33 x 36 x 39	54	5	1656450000

EMC cable glands

Glands - brass - EMV



Brass cable gland for shielding against interference frequencies with a screening attenuation of up to 100 dB. Contact with cable shield by means of spring washer.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	/ TPE-V
Temperature range	-40 °C ... 135 °C
Class of protection / with GWDR	IP 68 / IP 68 - 10 bar

Note Length L varies according to cable diameter used

Ordering data

Type metric	Thread-size	KB	Shield dia	L/L1	SW	Qty.	Order No.
VG M18-MS EMV	M 18 x 1.5	6.5 - 9	3.5 - 7.5	41 / 10	24	50	1706920000
VG M20-MS EMV	M 20 x 1.5	8 - 11	4 - 8.5	41 / 10	24	50	1706940000
VG M24-MS EMV	M 24 x 1.5	14 - 18	8 - 13	43 / 11	30	5	1706960000
VG M25-MS EMV	M 25 x 1.5	14 - 18	8 - 13.5	43 / 11	30	25	1706960000
PG							
VG PG7/9-MS EMV	PG 7	4 - 6.5	1.5 - 4	32 / 5	17	50	1713870000
VG PG9/11-MS EMV	PG 9	6.5 - 9.5	2.5 - 6	34 / 6	20	50	1706890000
VG PG11-MS EMV	PG 11	6.5 - 9	3.5 - 7.5	41 / 10	24	50	1706870000
VG PG13.5-MS EMV	PG 13.5	8 - 11	4 - 8.5	41 / 10	24	50	1706880000
VG PG16-MS EMV	PG 16	10 - 14	8 - 13	43 / 11	30	25	1706890000
VG PG16-MS EMV	PG 16	14 - 18	8 - 13	43 / 11	30	25	1713880000
VG PG21-MS EMV	PG 21	17 - 20	12.5 - 17.5	45 / 11	35	25	1706900000
VG PG21-MS EMV	PG 21	17 - 20	12.5 - 17.5	45 / 11	35	25	1713890000
VG PG29-MS EMV	PG 29	22 - 26	15 - 21	52 / 13	40	10	1706910000
VG PG29-MS EMV	PG 29	25 - 29	22 - 25	58 / 13	50	5	1713900000
VG PG36-MS EMV	PG 36	27 - 32	24 - 30.5	54 / 9	50	10	1770410000

Further variants on request

Glands - brass - 1/EMC

n

Cable entries

B



Brass cable gland for shielding against interference frequencies with a screening attenuation of up to 90 dB. Multiple contact with cable shield by means of contact element.



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	/ OR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	- / IP 68 - 5 bar

Note	Length L varies according to cable diameter used
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Ordering data

Type metric	Thread-size	KB	Shield dia	L/L1	SW	Qty.	Order No.
VG M12-MS 1/EMV	M 12 x 1.5	3 - 6.5	-	28.5 / 6	14	50	1909490000
VG M16-MS 1/EMV	M 16 x 1.5	4.5 - 10	-	37.3 / 7	20	50	1909500000
VG M20-MS 1/EMV	M 20 x 1.5	6 - 12	-	38.8 / 8	22	50	1909510000
VG M25-MS 1/EMV	M 25 x 1.5	11 - 17	-	42 / 8	27	25	1909520000
VG M32-MS 1/EMV	M 32 x 1.5	15 - 21	-	45 / 8	34	20	1909530000
VG M40-MS 1/EMV	M 40 x 1.5	19 - 28	-	55.1 / 9	43	10	1909540000
VG M50-MS 1/EMV	M 50 x 1.5	27 - 38	-	62.2 / 9	58	10	1909550000
VG M63-MS 1/EMV	M 63 x 1.5	34 - 44	-	71.5 / 14	64	5	1909560000

Further versions on request, Torque settings available

Cable glands for Ex applications - plastic

Glands - plastic - EEx e, IP 66 / IP 68



Black plastic cable gland with integral strain relief - especially for Ex applications.
Complete with integral membrane seal for clean transportation and storage.



Technical data

Material / colour	Polyamide / RAL 9005
Sealing ring / Sealing insert	- / TPE
Temperature range/Flammability class	-20 °C ... 80 °C / V2
Class of protection / with GWDR	IP 66 / IP 68
Approval	⊕ II 2 GD EEx e II
Test certificate	LCIE 97ATEX0007 X
Note	Optional sealing ring Length L varies depending on the cable diameter used

Ordering data

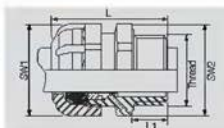
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M16-EEx SW	M 16 x 1.5	5 - 8	34 / 12	19	20	1737200000
VG M20-EEx SW	M 20 x 1.5	8 - 13	35 / 12	24	20	1737290000
VG M25-EEx SW	M 25 x 1.5	13 - 19	42 / 13	32	20	1737300000
VG M32-EEx SW	M 32 x 1.5	17 - 25	44 / 15	41	10	1737310000
VG M40-EEx SW	M 40 x 1.5	24 - 32	50 / 15	52	10	1737320000
VG M50-EEx SW	M 50 x 1.5	29 - 38	56 / 16	59	5	1737330000
VG M63-EEx SW	M 63 x 1.5	36 - 44	58 / 16	65	5	1737340000
PG						
VG 7-EEx SW	PG 7	3.5 - 6	27 / 9	15	50	1569300000
VG 9-EEx SW	PG 9	5 - 8	31 / 9	19	20	1490500000
VG 11-EEx SW	PG 11	6 - 10	31 / 9	22	20	1490600000
VG 13.5-EEx SW	PG 13.5	8 - 13	33 / 10	24	20	1490700000
VG 16-EEx SW	PG 16	10 - 15	33 / 10	26	20	1490800000
VG 21-EEx SW	PG 21	13 - 19	40 / 11	32	20	1490900000
VG 29-EEx SW	PG 29	17 - 25	41 / 12	41	10	1491000000
VG 36-EEx SW	PG 36	24 - 32	49 / 14	52	10	1491100000
VG 42-EEx SW	PG 42	28 - 38	56 / 16	59	10	1491200000
VG 48-EEx SW	PG 48	34 - 44	60 / 16	65	5	1718970000

Further versions on request. Torque settings available

Glands - plastic - EEx i, IP 66 / IP 68



Blue plastic gland with integral strain relief - especially for Ex applications.
Complete with integral membrane seal for clean transportation and storage.



Technical data

Material / colour	Polyamide / RAL 5012
Sealing ring / Sealing insert	- / TPE
Temperature range/Flammability class	-20 °C ... 80 °C / V2
Class of protection / with GWDR	IP 66 / IP 68
Approval	⊕ II 2 GD EEx i II
Test certificate	LCIE 97ATEX0007 X
Note	Optional sealing ring Length L varies depending on the cable diameter used

Ordering data

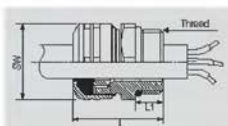
Type metric	Thread-size	KB	L/L1	SW1/SW2	Qty.	Order No.
VG M16-Ex BL	M 16 x 1.5	5 - 8	34 / 12	19	20	1737350000
VG M20-Ex BL	M 20 x 1.5	8 - 13	35 / 12	24	20	1737360000
VG M25-Ex BL	M 25 x 1.5	13 - 19	42 / 13	32	20	1737370000
VG M32-Ex BL	M 32 x 1.5	17 - 25	44 / 15	41	10	1737380000
VG M40-Ex BL	M 40 x 1.5	24 - 32	50 / 15	52	10	1737390000
VG M50-Ex BL	M 50 x 1.5	29 - 38	56 / 16	59	5	1737400000
VG M63-Ex BL	M 63 x 1.5	36 - 44	58 / 16	65 / 67	5	1737410000
PG						
VG 7-Ex BL	PG 7	3.5 - 6	27 / 9	15	50	1569370000
VG 9-Ex BL	PG 9	5 - 8	31 / 9	19	20	1491300000
VG 11-Ex BL	PG 11	6 - 10	31 / 9	22	20	1491400000
VG 13.5-Ex BL	PG 13.5	8 - 13	33 / 10	24	20	1491500000
VG 16-Ex BL	PG 16	10 - 15	33 / 10	26	20	1491600000
VG 21-Ex BL	PG 21	13 - 19	40 / 11	32	20	1491700000
VG 29-Ex BL	PG 29	17 - 25	41 / 12	41	10	1491800000
VG 36-Ex BL	PG 36	24 - 32	49 / 14	52	10	1491900000
VG 42-Ex BL	PG 42	28 - 38	56 / 16	59	10	1492000000
VG 48-Ex BL	PG 48	34 - 44	60 / 16	65	5	1718980000

Further versions on request. Torque settings available

Glands - brass - EEx e, IP 68



Brass cable gland for use in Ex applications EEx i und EEx e



Technical data

Material	Brass, nickel-plated
Sealing ring / Sealing insert	- / CR
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 66 / IP 68 - 5 bar
Approval	☉ II 2 GD EEx e II
Test certificate	LCIE 97/ATEX005 X
Note	Length L varies according to cable diameter used

Ordering data

Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric						
VG M16-EXE MS	M 16 x 1.5	7 - 11	28 / 8	22	50	1737210000
VG M20-EXE MS	M 20 x 1.5	8.5 - 13	28 / 8	24	50	1737220000
VG M25-EXE MS	M 25 x 1.5	13.5 - 18	33 / 9	30	20	1737230000
VG M32-EXE MS	M 32 x 1.5	17.5 - 25	38 / 10	41	20	1737240000
VG M40-EXE MS	M 40 x 1.5	24.5 - 33.5	49 / 11	52	10	1737250000
VG M50-EXE MS	M 50 x 1.5	33 - 43	54 / 12	63	5	1737260000
VG M63-EXE MS	M 63 x 1.5	43.5 - 55	60 / 13	77	5	1737270000
PG						
VG 7-EXE MS	PG 7	4 - 8	24 / 7	18	50	1718990000
VG 9-EXE MS	PG 9	6 - 11	28 / 8	22	50	1719000000
VG 11-EXE MS	PG 11	7.5 - 13	28 / 8	24	50	1719010000
VG 13.5-EXE MS	PG 13.5	7.5 - 13	32 / 8	24	50	1719020000
VG 16-EXE MS	PG 16	12.5 - 18	33 / 9	30	25	1719030000
VG 21-EXE MS	PG 21	17.5 - 23.5	38 / 10	41	20	1719040000
VG 29-EXE MS	PG 29	24.5 - 31.5	49 / 11	52	20	1719050000
VG 36-EXE MS	PG 36	33 - 40.5	54 / 12	63	10	1719060000
VG 42-EXE MS	PG 42	33 - 43	54 / 12	63	10	1719070000
VG 48-EXE MS	PG 48	33 - 43	60 / 13	77	5	1719080000

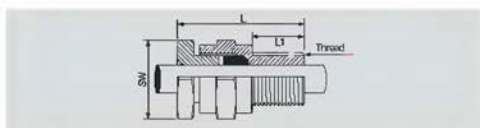
Further versions - also in stainless steel - available on request. Torque settings available.

Cable glands for Ex applications - brass

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for non-armoured cable



EEx e and EEx d brass cable gland for non-armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	/ NBR
Temperature range	-20 °C ... 85 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	Ⓜ II 2 GD EEx e II, EEx d IIC / Ⓜ II 2 GD EEx e II, EEx d IIC
Test certificate	SIRA 01ATEX1272X / IECEx SIR 05.0020X
Note	Length L varies according to cable diameter used.

Ordering data

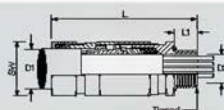
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric, brass						
VG M16-1/Ew/d MSN	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1909380000
VG M20-1/Ew/d MSN	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1909390000
VG M20-1/Ew/d MSN	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1909400000
VG M20-1/Ew/d MSN	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1909410000
VG M25-1/Ew/d MSN	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1909420000
VG M32-1/Ew/d MSN	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1909430000
VG M40-1/Ew/d MSN	M 40 x 1.5	23 - 32.2	53 / 16	56	1	1909440000
VG M50-1/Ew/d MSN	M 50 x 1.5	28.2 - 38.2	53 / 16	66	1	1909450000
VG M60-1/Ew/d MSN	M 60 x 1.5	33.2 - 44.1	53 / 16	66	1	1909460000
VG M63-1/Ew/d MSN	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1909470000
VG M63-1/Ew/d MSN	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1909480000
metric, nickel-plated brass						
VG M16-1/Ew/d MS	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1911510000
VG M20-1/Ew/d MS	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1911520000
VG M20-1/Ew/d MS	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1911530000
VG M20-1/Ew/d MS	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1911540000
VG M25-1/Ew/d MS	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1911550000
VG M32-1/Ew/d MS	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1911560000
VG M40-1/Ew/d MS	M 40 x 1.5	23 - 32.2	53 / 16	56	1	1911570000
VG M50-1/Ew/d MS	M 50 x 1.5	28.2 - 38.2	53 / 16	66	1	1911580000
VG M60-1/Ew/d MS	M 60 x 1.5	33.2 - 44.1	53 / 16	66	1	1911590000
VG M63-1/Ew/d MS	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1911600000
VG M63-1/Ew/d MS	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1911610000

Further variants - also in stainless steel - available on request

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for armoured cable



EEx e and EEx d brass cable gland for armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	/ NBR
Temperature range	-20 °C ... 85 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	Ⓜ II 2 GD EEx e II, EEx d IIC / Ⓜ II 2 GD EEx e II, EEx d IIC
Test certificate	BS01/ATEX2271X / IECEx SIF C5 0020X
Note	Length L varies according to cable diameter used.

Ordering data

Type	Thread size	D1 cable O.D.	Armour	D2 cable I.D.	L/L1	SW	Qty.	Order No.
metric, brass								
VG M20-1/Ew/d AMSN	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1909290000
VG M20-1/Ew/d AMSN	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1909290000
VG M20-1/Ew/d AMSN	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1909300000
VG M25-1/Ew/d AMSN	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1909310000
VG M32-1/Ew/d AMSN	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1909320000
VG M40-1/Ew/d AMSN	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1909330000
VG M50-1/Ew/d AMSN	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1909340000
VG M60-1/Ew/d AMSN	M 60 x 1.5	46.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1909350000
VG M63-1/Ew/d AMSN	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1909360000
VG M63-1/Ew/d AMSN	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1909370000
metric, nickel-plated brass								
VG M20-1/Ew/d AMS	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1911380000
VG M20-1/Ew/d AMS	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1911390000
VG M20-1/Ew/d AMS	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1911400000
VG M25-1/Ew/d AMS	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1911420000
VG M32-1/Ew/d AMS	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1911430000
VG M40-1/Ew/d AMS	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1911440000
VG M50-1/Ew/d AMS	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1911450000
VG M60-1/Ew/d AMS	M 60 x 1.5	46.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1911460000
VG M63-1/Ew/d AMS	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1911480000
VG M63-1/Ew/d AMS	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1911490000

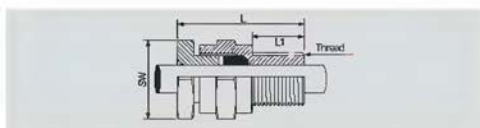
Further variants - also in stainless steel - available on request

Cable glands for Ex applications - brass

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for non-armoured cable



EEx e and EEx d brass cable gland for non-armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	Silicone / NBR
Temperature range	-60 °C ... +180 °C
Class of protection / with GWDR	- / IP 66, IP 68 - 2.5 bar
Approval	☉ II 2 GD EEx e II, EEx d IIC / ☉ II 2 GD EEx e II, EEx d IIC
Test certificate	SIRA 01ATEX1272X / IECEx SIR 05.0020X
Note	Length L varies according to cable diameter used.

Ordering data

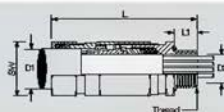
Type	Thread-size	KB	L/L1	SW	Qty.	Order No.
metric, brass						
VG M16-1/8wd HT MSN	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1926030000
VG M20-1/8wd HT MSN	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1926040000
VG M20-1/8wd HT MSN	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1926050000
VG M20-1/8wd HT MSN	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1926060000
VG M25-1/8wd HT MSN	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1926070000
VG M32-1/8wd HT MSN	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1926080000
VG M40-1/8wd HT MSN	M 40 x 1.5	23 - 32.2	53 / 16	56	1	1926090000
VG M50-1/8wd HT MSN	M 50 x 1.5	28.2 - 38.2	53 / 16	66	1	1926100000
VG M60-1/8wd HT MSN	M 60 x 1.5	33.2 - 44.1	53 / 16	66	1	1926110000
VG M63-1/8wd HT MSN	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1926120000
VG M63-1/8wd HT MSN	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1926130000
metric, nickel-plated brass						
VG M16-1/8wd HT MS	M 16 x 1.5	4 - 8.4	49 / 16	25	1	1932910000
VG M20-1/8wd HT MS	M 20 x 1.5	4 - 8.4	49 / 16	25	1	1932940000
VG M20-1/8wd HT MS	M 20 x 1.5	7.2 - 11.7	49 / 16	25	1	1932950000
VG M20-1/8wd HT MS	M 20 x 1.5	9.6 - 14	49 / 16	30	1	1932970000
VG M25-1/8wd HT MS	M 25 x 1.5	13.5 - 20	49 / 16	38	1	1932980000
VG M32-1/8wd HT MS	M 32 x 1.5	19.5 - 26.3	49 / 16	46	1	1932990000
VG M40-1/8wd HT MS	M 40 x 1.5	23 - 32.2	53 / 16	56	1	1933000000
VG M50-1/8wd HT MS	M 50 x 1.5	28.2 - 38.2	53 / 16	66	1	1933010000
VG M60-1/8wd HT MS	M 60 x 1.5	33.2 - 44.1	53 / 16	66	1	1933020000
VG M63-1/8wd HT MS	M 63 x 1.5	39.3 - 50.1	56 / 19	80	1	1933030000
VG M63-1/8wd HT MS	M 63 x 1.5	46.7 - 56	56 / 19	80	1	1933040000

Further variants - also in stainless steel - available on request

Glands - brass - EEx e, EEx d, IP 66 / IP 68, for armoured cable



EEx e and EEx d brass cable gland for armoured cable



Technical data

Material	brass, nickel-plated brass
Sealing ring / Sealing insert	Silicone / NBR
Temperature range	-60 °C ... +180 °C
Class of protection / with GWRD	- / IP 66, IP 68 - 2.5 bar
Approval	⊕ II 2 GD EEx e II, EEx d IIC / ⊕ II 2 GD EEx e II, EEx d IIC
Test certificate	BS01/ATEX2271X / IECEx SIR 05 0020X
Note	Length L varies according to cable diameter used.

Ordering data

Type	Thread size	D1 cable O.D.	Armour	D2 cable I.D.	L/L1	SW	Qty.	Order No.
metric, brass								
VG M20-1/Ewd AHT MSN	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1925920000
VG M20-1/Ewd AHT MSN	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1925930000
VG M20-1/Ewd AHT MSN	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1925940000
VG M25-1/Ewd AHT MSN	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1925950000
VG M32-1/Ewd AHT MSN	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1925960000
VG M40-1/Ewd AHT MSN	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1925970000
VG M50-1/Ewd AHT MSN	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1925980000
VG M60-1/Ewd AHT MSN	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1925990000
VG M63-1/Ewd AHT MSN	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1926000000
VG M63-1/Ewd AHT MSN	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1926010000
metric, nickel-plated brass								
VG M20-1/Ewd AHT MS	M 20 x 1.5	9 - 13.5	0.15 - 1.25	3.4 - 8.4	94 / 16	25	1	1933050000
VG M20-1/Ewd AHT MS	M 20 x 1.5	11.5 - 16	0.15 - 1.25	7.2 - 11.7	94 / 16	25	1	1933060000
VG M20-1/Ewd AHT MS	M 20 x 1.5	15.5 - 21.1	0.15 - 1.25	9.4 - 14	94 / 16	30	1	1933070000
VG M25-1/Ewd AHT MS	M 25 x 1.5	20.3 - 27.4	0.15 - 1.6	13.5 - 20	106 / 16	38	1	1933080000
VG M32-1/Ewd AHT MS	M 32 x 1.5	26.7 - 34	0.15 - 2	19.5 - 26.3	121 / 16	46	1	1933090000
VG M40-1/Ewd AHT MS	M 40 x 1.5	33 - 40.6	0.2 - 2	23 - 32.2	129 / 16	55	1	1933100000
VG M50-1/Ewd AHT MS	M 50 x 1.5	39.4 - 46.7	0.3 - 2.5	28.1 - 38.2	141 / 16	65	1	1933110000
VG M60-1/Ewd AHT MS	M 50 x 1.5	45.7 - 53.2	0.3 - 2.5	33.1 - 44.1	141 / 16	65	1	1933120000
VG M63-1/Ewd AHT MS	M 63 x 1.5	52.1 - 59.5	0.3 - 2.5	39.2 - 50.1	144 / 19	80	1	1933130000
VG M63-1/Ewd AHT MS	M 63 x 1.5	58.4 - 65.8	0.3 - 2.5	46.7 - 56	144 / 19	80	1	1933140000

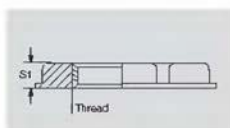
Further variants - also in stainless steel - available on request

Locknuts

Locknuts - plastic



For securing plastic cable glands and blanking plugs



Technical data

Material / colour	Polyamide 6 / RAL 7035
Temperature range	-30 °C ... 100 °C
Flammability class	V2

Note

Ordering data

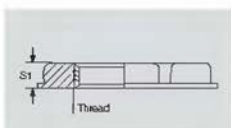
Type metric	Thread-size	S1	SW	Qty.	Order No.
SKMU M12 - K GR	M 12 x 1.5	5	18	100	1772440000
SKMU M16 - K GR	M 16 x 1.5	5	22	100	1772450000
SKMU M20 - K GR	M 20 x 1.5	6	26	100	1772460000
SKMU M25 - K GR	M 25 x 1.5	6	32	100	1772470000
SKMU M32 - K GR	M 32 x 1.5	7	41	100	1772480000
SKMU M40 - K GR	M 40 x 1.5	7	50	50	1772490000
SKMU M50 - K GR	M 50 x 1.5	8	60	10	1772500000
SKMU M63 - K GR	M 63 x 1.5	8	75	10	1772510000
PG					
SKMU PG7-K GR	PG 7	5	19	100	1697440000
SKMU PG9-K GR	PG 9	5	22	100	1697450000
SKMU PG11-K GR	PG 11	5	24	100	1697460000
SKMU PG13.5-K GR	PG 13.5	6	27	100	1697470000
SKMU PG16-K GR	PG 16	6	30	100	1697480000
SKMU PG21-K GR	PG 21	7	36	100	1698220000
SKMU PG29-K GR	PG 29	7	46	50	1698230000
SKMU PG36-K GR	PG 36	8	60	25	1698240000
SKMU PG42-K GR	PG 42	8	65	25	1698250000
SKMU PG48-K GR	PG 48	8	70	25	1719090000

Further versions on request, halogen-free

Locknuts - plastic 9005



For securing plastic cable glands and blanking plugs - recommended for Ex applications.



Technical data

Material / colour	Polyamide 6 / RAL 9005
Temperature range	-30 °C ... 100 °C
Flammability class	V2

Note

approval not required

Ordering data

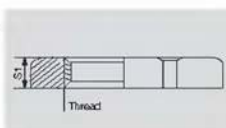
Type metric	Thread-size	S1	SW	Qty.	Order No.
SKMU M16 K SW	M 16 x 1.5	5	22	100	1736920000
SKMU M20 K SW	M 20 x 1.5	6	26	100	1736930000
SKMU M25 K SW	M 25 x 1.5	6	32	25	1736940000
SKMU M32 K SW	M 32 x 1.5	7	41	100	1736950000
SKMU M40 K SW	M 40 x 1.5	7	50	10	1736960000
SKMU M50 K SW	M 50 x 1.5	8	60	5	1736970000
SKMU M63 K SW	M 63 x 1.5	8	75	5	1736980000
PG					
SKMU PG7-K SW	PG 7	5	19	50	1719100000
SKMU PG9-K SW	PG 9	5	22	50	1719110000
SKMU PG11-K SW	PG 11	5	24	50	1719120000
SKMU PG13.5-K SW	PG 13.5	6	27	50	1719130000
SKMU PG16-K SW	PG 16	6	30	25	1719140000
SKMU PG21-K SW	PG 21	7	36	20	1719150000
SKMU PG29-K SW	PG 29	7	46	20	1719160000
SKMU PG36-K SW	PG 36	8	60	10	1719170000
SKMU PG42-K SW	PG 42	8	65	10	1719180000
SKMU PG48-K SW	PG 48	8	70	5	1719190000

Further versions on request, halogen-free

Locknuts - brass



For securing brass cable glands and blanking plugs - also recommended for Ex applications.



Technical data

Material Brass, nickel-plated

Note

Ordering data

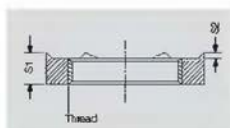
Type metric	Thread-size	S1	S2	SW	Qty.	Order No.
SKMU M12-MS	M 12 x 1.5	2.8	-	15	50	1772300000
SKMU M16-MS	M 16 x 1.5	2.8	-	19	50	1736990000
SKMU M20-MS	M 20 x 1.5	3	-	24	50	1737000000
SKMU M25-MS	M 25 x 1.5	3.5	-	29	25	1737010000
SKMU M32-MS	M 32 x 1.5	4	-	36	20	1737020000
SKMU M40-MS	M 40 x 1.5	4.5	-	46	10	1737030000
SKMU M50-MS	M 50 x 1.5	5	-	60	5	1737040000
SKMU M63-MS	M 63 x 1.5	6	-	70	5	1737050000
SKMU M75-MS	M 75 x 1.5	8	-	-	5	1737060000
PG						
SKMU PG7-MS	PG 7	2.8	-	15	100	1694070000
SKMU PG9-MS	PG 9	2.8	-	18	100	1694080000
SKMU PG11-MS	PG 11	3	-	21	100	1694090000
SKMU PG13.5-MS	PG 13.5	3	-	23	100	1694100000
SKMU PG16-MS	PG 16	3	-	26	100	1694110000
SKMU PG21-MS	PG 21	3.5	-	32	50	1718200000
SKMU PG29-MS	PG 29	4	-	41	50	1718210000
SKMU PG36-MS	PG 36	5	-	51	50	1718220000
SKMU PG42-MS	PG 42	5	-	60	50	1718230000
SKMU PG48-MS	PG 48	5.5	-	64	50	1718240000

Further versions on request

Locknuts - brass - EMC



For securing brass cable glands and blanking plugs - specially equipped with 6 blades that ensure the locknut makes contact with the housing upon tightening.



Technical data

Material Brass, nickel-plated

Note

Ordering data

Type metric	Thread-size	S1	S2	SW	Qty.	Order No.
SKMU BMV M10	M 10 x 1.5	3.1	1	12	1	1777600000
SKMU BMV M12	M 12 x 1.5	3.6	1	15	50	1777610000
SKMU BMV M16	M 16 x 1.5	3.6	1	19	50	1777620000
SKMU BMV M20	M 20 x 1.5	3.6	1	24	50	1777630000
SKMU BMV M25	M 25 x 1.5	3.6	1	30	20	1777640000
SKMU BMV M32	M 32 x 1.5	4.1	1	36	20	1777650000
SKMU BMV M40	M 40 x 1.5	4.6	1	46	10	1777660000
SKMU BMV M50	M 50 x 1.5	4.6	1	60	10	1777670000
SKMU BMV M63	M 63 x 1.5	6.6	1	70	10	1777680000
PG						
SKMU BMV PG7	PG 7	3.6	1	15	20	1718900000
SKMU BMV PG9	PG 9	3.6	1	18	20	1718910000
SKMU BMV PG11	PG 11	3.6	1	21	20	1718920000
SKMU BMV PG13.5	PG 13.5	3.6	1	23	10	1718930000
SKMU BMV PG16	PG 16	3.6	1	26	10	1718940000
SKMU BMV PG21	PG 21	4.1	1	32	10	1718950000
SKMU BMV PG29	PG 29	4.6	1	41	15	1718960000
SKMU BMV PG36	PG 36	5.6	1	51	1	1777710000
SKMU BMV PG42	PG 42	5.6	1	58	1	1777720000
SKMU BMV PG48	PG 48	6.6	1	64	1	1777730000

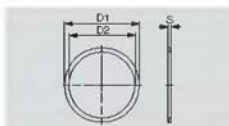
Further versions on request

Thread sealing rings

Sealing rings - standard



For increasing the class of protection for cable glands and blanking plugs



Technical data

Material / colour	Polyethylene / -
Temperature range	-30 °C ... 90 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

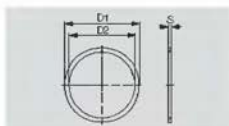
Type metric	Thread-size	D1	D2	S	Qty.	Order No.
GWDR M12-PO	M 12 x 1.5	16	12	1.5	50	1777920000
GWDR M16-PO	M 16 x 1.5	20	16	1.5	50	1777930000
GWDR M20-PO	M 20 x 1.5	24	20	2	100	1777940000
GWDR M25-PO	M 25 x 1.5	29	25	2	50	1777950000
GWDR M32-PO	M 32 x 1.5	36	32	2	50	1777960000
GWDR M40-PO	M 40 x 1.5	44	40	2	50	1777970000
GWDR M50-PO	M 50 x 1.5	54	50	2	50	1777980000
GWDR M63-PO	M 63 x 1.5	67	63	2	50	1777990000
PG						
GWDR PG7-PO	PG 7	16.5	12.5	1.6	100	1719440000
GWDR PG9-PO	PG 9	19	15.3	1.6	100	1719450000
GWDR PG11-PO	PG 11	22.5	18.6	1.8	100	1719460000
GWDR PG13.5-PO	PG 13.5	26	20.4	1.8	100	1719470000
GWDR PG16-PO	PG 16	27	22.5	1.8	100	1719480000
GWDR PG21-PO	PG 21	33.5	28.5	2.2	100	1719490000
GWDR PG29-PO	PG 29	43.5	37	2.2	50	1719500000
GWDR PG36-PO	PG 36	55	47	2.7	50	1719510000
GWDR PG42-PO	PG 42	63	54	3.2	10	1719520000
GWDR PG48-PO	PG 48	69	59.3	3.2	5	1719530000

Further versions on request

Sealing rings - 9005



For increasing the class of protection for cable glands and blanking plugs - recommended for use in Ex applications



Technical data

Material / colour	Neoprene / RAL 9005
Temperature range	-40 °C ... 100 °C
Standard	DIN 46320 (for PG thread)

Note

Ordering data

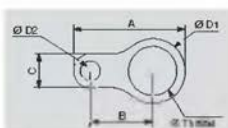
Type metric	Thread-size	D1	D2	S	Qty.	Order No.
GWDR M12-NP	M 12	18	12	1.2	50	1913200000
GWDR M16-NP	M 16	22	16	1.2	50	1796230000
GWDR M20-NP	M 20	24	20	1.2	50	1796240000
GWDR M25-NP	M 25	30	25	1.5	50	1796250000
GWDR M32-NP	M 32	42	32	1.5	50	1796260000
GWDR M40-NP	M 40	52	40	1.5	20	1796270000
GWDR M50-NP	M 50	63	50	1.5	20	1796280000
GWDR M63-NP	M 63	77	63	2	10	1796290000
PG						
GWDR PG7-NP	PG 7	17	11.6	1.2	100	1719540000
GWDR PG9-NP	PG 9	21	14	1.2	100	1719550000
GWDR PG11-NP	PG 11	24	17	1.2	100	1719560000
GWDR PG13.5-NP	PG 13.5	27	19.5	1.2	100	1719570000
GWDR PG16-NP	PG 16	30	22.5	1.2	100	1719580000
GWDR PG21-NP	PG 21	35	28.3	1.5	100	1719590000
GWDR PG29-NP	PG 29	45	37	1.5	50	1719600000
GWDR PG36-NP	PG 36	60	47	1.5	20	1719610000
GWDR PG42-NP	PG 42	65	54	1.5	10	1719620000
GWDR PG48-NP	PG 48	71	59.3	1.5	5	1719630000

Further versions on request

Accessories - earthing rings



Earthing rings are particularly useful in situations where the shielding of a cable is attached to the cable gland and this is required to have the same potential as the other glands of a housing.



Technical data

Material

Brass, nickel-plated

Note

Ordering data

Type	Thread-size	A	B	C	D1	D2	Qty	Order No.
metric								
EA-RING MSM 16	M 16 x 1.5	48.75	30	13	24.5	6.75	20	1736430000
EA-RING MSM 20	M 20 x 1.5	53.8	33	13	28.6	7	20	1736490000
EA-RING MSM 25	M 25 x 1.5	61.5	36	17	34	10.5	20	1736500000
EA-RING MSM 32	M 32 x 1.5	73	41	22	42	12.2	20	1736510000
EA-RING MSM 40	M 40 x 1.5	86.5	44.5	30	54	13.5	10	1736520000
EA-RING MSM 50	M 50 x 1.5	111.5	58	40	67	13.5	10	1736530000
EA-RING MSM 63	M 63 x 1.5	126.5	67	40	77	13.5	10	1736540000
EA-RING MSM 75	M 75 x 1.5	137.5	73	40	89	13.5	10	1736550000

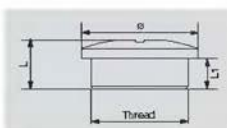
Further versions on request

Blanking plugs

Sealing plugs - plastic



For sealing surplus threaded holes to maintain the IP class of protection



Technical data

Material / colour	Polyamide 6 / RAL 7035
Sealing ring	-
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	IP 54 / IP 66
Standard	DIN 46320 (for PG thread)
Flammability class	V2
Note	Optional sealing ring

Ordering data

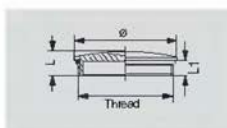
Type metric	Thread-size	L	L1	Top dia.	Qty.	Order No.
VP M12-K54	M 12 x 1.5	10	6	15	100	1776930000
VP M16-K54	M 16 x 1.5	11.5	7	19	100	1776920000
VP M20-K54	M 20 x 1.5	12.5	7.5	22	100	1776910000
VP M25-K54	M 25 x 1.5	15	11	27	100	1776900000
VP M32-K54	M 32 x 1.5	16	11	34	100	1776940000
VP M40-K54	M 40 x 1.5	18	12	42	50	1776950000
VP M50-K54	M 50 x 1.5	20	13	52	25	1776960000
VP M63-K54	M 63 x 1.5	20	14	65	50	1776970000
PG						
VP 7-K54	PG 7	8	6	15	50	1719250000
VP 9-K54	PG 9	9	6	19	100	0294700000
VP 11-K54	PG 11	10.5	6.5	22	100	0294800000
VP 13,5-K54	PG 13,5	9.5	6	25	100	0294900000
VP 16-K54	PG 16	9.5	6	27	100	0295000000
VP 21-K54	PG 21	11	8	33	100	0295100000
VP 29-K54	PG 29	12	8	44	50	0501100000
VP 36-K54	PG 36	15	10	55	25	0501200000
VP 42-K54	PG 42	16	10	62	10	0501300000
VP 48-K54	PG 48	16	12	69	5	1719230000

Further versions on request

Sealing plugs - brass



For sealing surplus threaded holes to maintain the IP class of protection



Technical data

Material / colour	Brass, nickel-plated / -
Sealing ring	-
Temperature range	-30 °C ... 100 °C
Class of protection / with GWDR	- / IP 68

Note

Ordering data

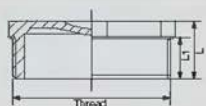
Type metric	Thread-size	L	L1	Top dia.	Qty.	Order No.
VP M12-M565	M 12 x 1.5	7.4	5	14	100	1777720000
VP M16-M565	M 16 x 1.5	8	6	20	100	1777730000
VP M20-M565	M 20 x 1.5	9.4	6.5	22	100	1777740000
VP M25-M565	M 25 x 1.5	10.8	7	28	100	1777750000
VP M32-M565	M 32 x 1.5	11.6	8	35	50	1777760000
VP M40-M565	M 40 x 1.5	12.3	8	45	50	1777770000
VP M50-M565	M 50 x 1.5	16	9	55	25	1777780000
VP M63-M565	M 63 x 1.5	18	10	68	10	1777790000
PG						
VP 7-M565	PG 7	8	5	15	100	0521600000
VP 9-M565	PG 9	8	4.5	18	100	0294700000
VP 11-M565	PG 11	8	5	22	100	0294800000
VP 13,5-M565	PG 13,5	9.5	6	24	100	0294900000
VP 16-M565	PG 16	9	6	26	100	0295000000
VP 21-M565	PG 21	11	6	32	100	0295100000
VP 29-M565	PG 29	12	8	40	50	0501100000
VP 36-M565	PG 36	15	9	50	25	0501200000
VP 42-M565	PG 42	16	10	57	10	0501300000
VP 48-M565	PG 48	16	10	64	5	1719220000

Further versions on request, Torque settings available

Blanking plugs - plastic - EEx e



For sealing surplus threaded holes to maintain the IP class of protection - especially for Ex applications EEx e



Technical data

Material	Polyamide
Sealing ring	-
Temperature range	-40 °C ... 110 °C
Class of protection / with GWDR	IP 65 / IP 68
Approval	⊕ II 2 GD EEx e II
Test certificate	LCIE 98ATEX0001 U
Note	Optional sealing ring

Ordering data

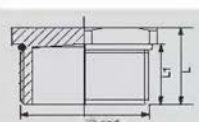
Type metric	Thread-size	L	L1	SW	Qty.	Order No.
VP M16-EEx SW	M 16 x 1.5	19	15	19	50	1737070000
VP M20-EEx SW	M 20 x 1.5	19	15	23	50	1737080000
VP M25-EEx SW	M 25 x 1.5	20	15	28	100	1737090000
VP M32-EEx SW	M 32 x 1.5	20.5	15	35	20	1737100000
VP M40-EEx SW	M 40 x 1.5	20.5	15	44	10	1737110000
VP M50-EEx SW	M 50 x 1.5	21	15	54	5	1737120000
VP M63-EEx SW	M 63 x 1.5	21.5	15	67	5	1737130000
PG						
VP 7-EEx SW	PG 7	12	8	15	100	1719200000
VP 9-EEx SW	PG 9	14.5	10	19	100	1719250000
VP 11-EEx SW	PG 11	15	10.5	22	50	1569300000
VP 13.5-EEx SW	PG 13.5	16	11	24	50	1569300000
VP 16-EEx SW	PG 16	17	12	27	100	1569400000
VP 21-EEx SW	PG 21	18	12.5	32	20	1569400000
VP 29-EEx SW	PG 29	19	13.5	40	20	1719300000
VP 36-EEx SW	PG 36	21	15	54	10	1719300000
VP 42-EEx SW	PG 42	21.5	15	59	10	1719300000
VP 48-EEx SW	PG 48	22	15.5	64	5	1719300000

Further versions on request

Blanking plugs - brass - EEx e, EEx d



For sealing surplus threaded holes to maintain the IP class of protection - especially for Ex applications EEx e and EEx d



Technical data

Material	Brass, nickel-plated
Sealing ring	-
Temperature range	-40 °C ... 100 °C
Class of protection / with GWDR	- / -
Approval	⊕ II 2 GD EEx d IIC, EEx e II
Test certificate	LCIE 98ATEX0001 U
Note	

Ordering data

Type metric	Thread-size	L	L1	SW	Qty.	Order No.
VP M16-EEx MS	M 16 x 1.5	18	15	18	50	1737140000
VP M20-EEx MS	M 20 x 1.5	18	15	23	50	1737150000
VP M25-EEx MS	M 25 x 1.5	18.5	15	28	25	1737160000
VP M32-EEx MS	M 32 x 1.5	19	15	36	10	1737170000
VP M40-EEx MS	M 40 x 1.5	19	15	44	10	1737180000
VP M50-EEx MS	M 50 x 1.5	21	16	54	5	1737190000
VP M63-EEx MS	M 63 x 1.5	22.5	17	67	5	1737200000
PG						
VP 7-EEx MS	PG 7	18	15	15	50	1719340000
VP 9-EEx MS	PG 9	18	15	18	50	1719360000
VP 11-EEx MS	PG 11	18	15	21	50	1719360000
VP 13.5-EEx MS	PG 13.5	18	15	23	50	1719370000
VP 16-EEx MS	PG 16	18	15	26	25	1719380000
VP 21-EEx MS	PG 21	18	15	32	20	1719390000
VP 29-EEx MS	PG 29	19	15	41	20	1719400000
VP 36-EEx MS	PG 36	20	15	51	10	1719410000
VP 42-EEx MS	PG 42	20	15	58	10	1719420000
VP 48-EEx MS	PG 48	20.5	15	64	5	1719430000

Further versions on request

Adapters

Adapters with NPT male threads



Technical data

Material / colour	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of prot. / with thread sealing ring	IP65, IP68 / -
Test certificate	LCIE 98 ATEX 0001U
Approval	Ⓢ II 2GD EEx e II
Note	The use of jointing paste or tape is recommended

Ordering data

Male thread	3" NPT	2 1/2" NPT	2" NPT	1 1/2" NPT	1 1/4" NPT	1" NPT	3/4" NPT	1/2" NPT
Female thread								
M 16	1737420000	1737430000	1737440000	1737450000	1737460000	1737470000	1737480000	1737490000
M 20	1737500000	1737510000	1737520000	1737530000	1737540000	1737550000	1737560000	1737570000
M 25	1737740000	1737750000	1737760000	1737770000	1737780000	1737790000	1737800000	1737810000
M 32	1737890000	1737900000	1737910000	1737920000	1737930000	1737940000	1737950000	
M 40	1738020000	1738030000	1738040000	1738050000	1738060000	1738070000		
M 50	1738130000	1738140000	1738150000	1738160000	1738170000			
M 63	1738220000	1738230000	1738240000	1738250000				
M 75	1738290000	1738300000	1738310000					
1/2" NPT	1738340000	1738350000	1738360000	1738370000	1738380000	1738390000	1738400000	1738410000
3/4" NPT	1738500000	1738510000	1738520000	1738530000	1738540000	1738550000	1738560000	1738570000
1" NPT	1738650000	1738660000	1738670000	1738680000	1738690000	1738700000		
1 1/4" NPT	1738770000	1738780000	1738790000	1738800000	1738810000	1738820000		
1 1/2" NPT	1738830000	1738840000	1738850000	1738860000	1738870000			
2" NPT	1738970000	1738980000	1738990000	1739000000				
2 1/2" NPT	1739040000	1739050000	1739060000					
3" NPT	1739090000	1739100000						

Adapters with metric male threads



Technical data

Material / colour	Brass, nickel-plated
Temperature range	-40 °C ... +100 °C
Class of prot. / with thread sealing ring	- / IP66, IP68
Test certificate	LOIE 98 ATEX 0001U
Approval	Ex II 2GD Ex e II

Ordering data

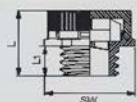
Male thread	M 75	M 63	M 50	M 40	M 32	M 25	M 20	M 16
Female thread								
M 16	1737500000	1737510000	1737520000	1737530000	1737540000	1737550000	1737560000	1737570000
M 20	1737690000	1737670000	1737680000	1737690000	1737700000	1737710000	1737720000	1737730000
M 25	1737820000	1737830000	1737840000	1737850000	1737860000	1737870000	1737880000	
M 32	1737960000	1737970000	1737980000	1737990000	1738000000	1738010000		
M 40	1738090000	1738090000	1738100000	1738110000	1738120000			
M 50	1738180000	1738190000	1738200000	1738210000				
M 63	1738260000	1738270000	1738280000					
M 75	1738320000	1738330000						
1/2" NPT	1738420000	1738430000	1738440000	1738450000	1738460000	1738470000	1738480000	1738490000
3/4" NPT	1738500000	1738500000	1738600000	1738610000	1738620000	1738630000	1738640000	
1" NPT	1738710000	1738720000	1738730000	1738740000	1738750000	1738760000		
1 1/4" NPT	1738830000	1738840000	1738850000	1738860000	1738870000			
1 1/2" NPT	1738900000	1738940000	1738950000	1738960000				
2" NPT	1739010000	1739020000	1739030000					
2 1/2" NPT	1739070000	1739080000						
3" NPT	1739110000							

Compensating elements

Compensating elements - plastic - DAE



The DAE pressure compensating element is recommended for good ventilation of the enclosure and for preventing the formation of condensation - while still maintaining the high class of protection IP 69K. The membrane is water- and oil-repellent.



Technical data

Material / colour	Polyamide 6 / RAL 9006
Sealing ring	-
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	- / IP 66, IP 68, IP 69K
Air flow rate	0.8 l/min at 0.1 bar ΔP, up to 7.6 l/min at 1 bar ΔP
Water inlet point	> 1.5 bar
Note	

Ordering data

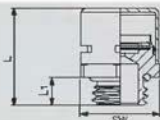
Type metric	Thread-size	L	L1	SW	Qty.	Order No.
DAE M12 PA long	M 12 x 1.5	17.4	10	17	10	1863570000
DAE M12 PA short	M 12 x 1.5	13.4	6	17	10	1863560000

Light grey version - RAL 7035 - on request

Compensating elements - stainless steel - DAE



The DAE pressure compensating element is recommended for good ventilation of the enclosure and for preventing the formation of condensation - while still maintaining the high class of protection IP 69K. The membrane is water- and oil-repellent.



Technical data

Material / colour	Stainless steel / -
Sealing ring	-
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	- / IP 66, IP 68, IP 69K
Air flow rate	0.8 l/min at 0.1 bar ΔP, up to 7.6 l/min at 1 bar ΔP
Water inlet point	> 1.5 bar
Note	

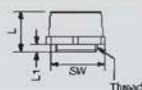
Ordering data

Type metric	Thread-size	L	L1	SW	Qty.	Order No.
DAE M12 SS	M 12 x 1.5	21.1	10	17	10	1863560000

Compensating elements - EWS



The EWS drainage plug is recommended for draining off water. It is only of limited use for air circulation.



Technical data

Material	Polyamide
Sealing ring / Sealing insert	- / -
Temperature range	-20 °C ... 40 °C
Class of protection / with GWDR	IP 54 / -
Approval	Ⓢ EEx II G
Test certificate	PTB 01 ATEX 1128 X
Note	Installed at the lowest point from the bottom in the wall of the enclosure

Ordering data

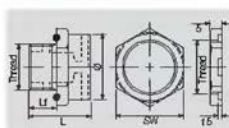
Type	Thread-size	L	L1	SW	Qty	Order No.
metric						
EWS M 25X1,5	M 25 x 1,5	23	5	30	20	1719740000
PG						
EWS PG16	PG 16	23	5	27	20	1719730000

Compensating elements

Compensating elements - BD 1



For ventilating the housing and preventing condensation water - especially for Ex applications EEx e, with closed cover. In addition, this element takes water away.



Technical data

Material / colour	brass, stainless steel
Filter	
Sealing ring	Nitrile
Temperature range	-50 °C ... 85 °C
Class of protection / with GWDR	IP 66 / -
Approval / Test certificate	CE II 2 GD EEx e II / SIRA 99/ATEX060 U
Note	

Ordering data

Type	Thread-size	L	L1	Top dia.	SW	Qty.	Order No.
metric, brass							
BD 1 brass	M 20 x 1.5	25	10	28	29	1	3030760000
metric, stainless steel							
BD 1 ss	M 20 x 1.5	25	10	28	29	1	3030770000

Compensating elements - BD 2



For ventilating the housing and preventing condensation water - especially for Ex applications EEx e, with hexagon socket. In addition, this element takes water away.



Technical data

Material / colour	brass, stainless steel
Filter	Bronze insert (90% copper, 10% tin)
Sealing ring	EPDM
Temperature range	-40 °C ... 120 °C
Class of protection / with GWDR	IP 66 / -
Approval / Test certificate	CE II 2 GD EEx e II / SIRA 00/ATEX074 U
Note	

Ordering data

Type	Thread-size	L	L1	Top dia.	SW	Qty.	Order No.
metric, brass							
BD 2 brass	M 20 x 1.5	24	10	25.4	28	1	1824400000
metric, stainless steel							
BD 2 ss	M 20 x 1.5	24	10	25.4	28	1	1824390000

Cabtite

Cabtite	Cable entry system	C.2
	Cable grommets	C.3
	Cable entry frames	C.4
	Separable cable gland	C.7

Cable entry system

Do you really need a plug-in connector on the outside of your switchgear cabinet?

Or do you simply just want to make the right connections?

Now you can save space, time and money with Cabtite.

Cabtite makes it possible for you to insert your pre-assembled connectors through the cabinet wall and, at the same time, achieves a minimum protection classification of IP54.

The manufacturer's guarantee remains valid because the cable does not have to be cut.

The individual elements of the system result in countless combination options because the same sealing grommets are utilised for the entry frames and the cable glands.

In particular, when used for measurement circuits, servo cables, computer cables or fieldbus systems, Cabtite is suitable for use in the following applications:

- Control engineering
- Switchgear cabinet manufacture
- Motor vehicle manufacture
- Systems engineering
- Mechanical engineering
- Electrical installation

Cabtite KEL SNAP frame



Separable cable gland Cabtite KVT



Cabtite sample set

Get a feel for the Cabtite system with our Cabtite sample set. It contains cable entry frames, snap frames, separable cable glands as well as diverse cable grommets.

Ordering data

Type	Qty	Order No.
Cabtite sample Kit	1	1849780000

HDC KT ...

Cable grommets, small

Cable grommets
for ASI cables

HDC KT ...

Cable grommets, large



Blanking plugs

Adapter grommet

Technical data

Material, grey	Free from elastomers, halogens and silicone
Material, black	Elastomers with very high chemical resistance
Temperature range	-20 °C ... 80 °C
UL 94 flammability rating	V0

Technical data

Material, grey	Free from elastomers, halogens and silicone
Material, black	Elastomers with very high chemical resistance
Temperature range	-20 °C ... 80 °C
UL 94 flammability rating	V0

Ordering data

Type	Clamping range [mm]	Qty	Order No. grey	Order No. black
HDC KT 3	3 – 4	10	1826460000	1827790000
HDC KT 4	4 – 6	10	1826470000	1827800000
HDC KT 5	5 – 6	10	1826480000	1827810000
HDC KT 6	6 – 7	10	1826490000	1827830000
HDC KT 7	7 – 8	10	1826500000	1827840000
HDC KT 8	8 – 9	10	1826510000	1827850000
HDC KT 9	9 – 10	10	1826520000	1827860000
HDC KT 10	10 – 11	10	1826530000	1827870000
HDC KT 11	11 – 12	10	1826540000	1827880000
HDC KT 12	12 – 13	10	1826550000	1827890000
HDC KT 13	13 – 14	10	1826560000	1827900000
HDC KT 14	14 – 15	10	1826570000	1827910000
HDC KT 15	15 – 16	10	1826580000	1827920000
HDC KTS 16	16 – 17	10	1826590000	1827930000
HDC KTS 17	17 – 18	10	1826600000	1827940000
for ASI cables				
HDC KT-ASI		10	1826610000	1828120000
2 or 4 openings				
HDC KT 2/4	2 x 4	10	1826620000	1828130000
HDC KT 2/5	2 x 5	10	1826630000	1828140000
HDC KT 2/6	2 x 6	10	1826640000	1828150000
HDC KT 4/5	4 x 5	10	1826650000	1828160000
Blanking plugs, small				
HDC BTK		10	1828170000	1828200000

Ordering data

Type	Clamping range [mm]	Qty	Order No. grey	Order No. black
HDC KT 16	16 – 17	10	1826660000	1827950000
HDC KT 17	17 – 18	10	1826670000	1827960000
HDC KT 18	18 – 19	10	1826680000	1827970000
HDC KT 19	19 – 20	10	1826690000	1827980000
HDC KT 20	20 – 21	10	1826700000	1827990000
HDC KT 21	21 – 22	10	1826710000	1828000000
HDC KT 22	22 – 23	10	1826720000	1828010000
HDC KT 23	23 – 24	10	1826730000	1828020000
HDC KT 24	24 – 25	10	1826740000	1828030000
HDC KT 25	25 – 26	10	1826750000	1828040000
HDC KT 26	26 – 27	10	1826760000	1828050000
HDC KT 27	27 – 28	10	1826770000	1828060000
HDC KT 28	28 – 29	10	1826780000	1828070000
HDC KT 29	29 – 30	10	1826790000	1828080000
HDC KT 30	31 – 32	10	1826800000	1828090000
HDC KT 32	32 – 33	10	1826810000	1828100000
HDC KT 34	33 – 34	10	1826820000	1828110000
Adapter grommet, large (for small cable grommets)				
HDC ATG		10	1828190000	1828220000
Blanking plugs, large				
HDC BTG		10	1828180000	1828210000

Cabletite KEL

The rectangular panel cutout frames fit exactly into the standard cutout for heavy-duty connectors. This makes it possible to accommodate up to 40 connectors in a very confined space.

- Feeds through prefabricated wiring in confined spaces.
- Two-piece, two-tier system
- Fast and easy mounting
- Standard panel cutout frames for 16- and 24-pole industrial plug-in connectors
- The predefined gap achieves a minimum class of protection of IP54
- Large numbers of cables in very confined spaces
- Retrofitting of prefabricated wiring also possible
- The manufacturer's guarantee covering the prefabricated cables remains valid
- Integral strain relief to VDE 0619
- Locknuts ensure that working "overhead" is safe and simple

Cabletite KEL SNAP frame

Snap frame for mounting the cable entry frame in the switchgear cabinet.

- The KEL can be fitted quickly without tools
- The KEL need not be fitted or removed to add or remove individual cables
- The drilling pattern is identical with that of the KEL
- Seals are already integrated on both sides
- Switchgear cabinets can be fitted with KEL SNAP in advance
- KEL SNAP is available for KEL 16 and KEL 24



Operating mode

1. The grommet is fitted around the cable.

Important:

Choose a grommet with an appropriate clamping range for the diameter of the cable!



2. Press the grommet with the cable into the open cable entry frame.

Important:

The flat side of the grommet must face upwards!



3. Assemble the two halves of the cable entry frame using the M5x50 Allen screws supplied. This achieves integral strain relief in accordance with VDE 0619 (VDE = German Association for Electrical, Electronic and Information Technologies).



4. Finally, the rubber seal is glued around the cabinet panel cutout and the cable entry frame is secured with 4 screws. The cable entry is now complete, and has a protection class of IP54!

Advantage: The panel cutout frames are the same as those used for heavy-duty connectors. They are supplied by the switchgear cabinet manufacturers. You do not require a new punching die!



HDC KEL 16

Size equivalent to 16-pole HE inserts

KEL 16/8 with 8 small grommets



KEL 16/4 closed half-shell and 4 small grommets

Snap frame
KEL 16 SNAP

Technical data

Material	Polyamide, free from halogens and silicone
Colour	black
Temperatur range	-20 °C – 100 °C
Class of protection	IP54, when the correct cable grommet is selected
UL 94 flammability rating	V0

Ordering data

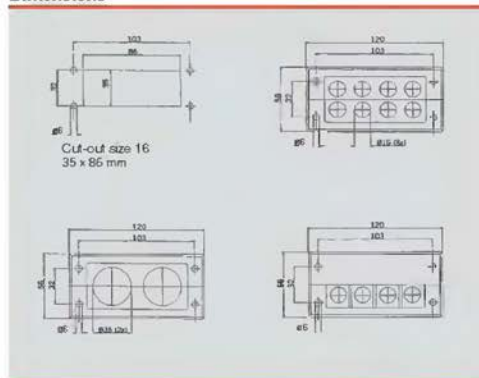
Type	Number of grommet positions		Qty	Order No.
	small	large		
HDC KEL 16/2	—	2	10	1825860000
HDC KEL 16/4	4	—	10	1825900000
HDC KEL 16/5	4	1	10	1849770000
HDC KEL 16/8	8	—	10	1825910000

Snap frame

HDC KEL 16 SNAP	10	1827770000
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*) with closed half shell

Dimensions



HDC KEL 24

Size equivalent to 24-pole HE inserts

KEL 24/10 with 10 small grommets



KEL 24/7 with 1 large and 6 small grommets

Snap frame
KEL 24 SNAP

Technical data

Material	Polyamide, free from halogens and silicone
Colour	black
Temperatur range	-20 °C – 100 °C
Class of protection	IP54, when the correct cable grommet is selected
UL 94 flammability rating	V0

Ordering data

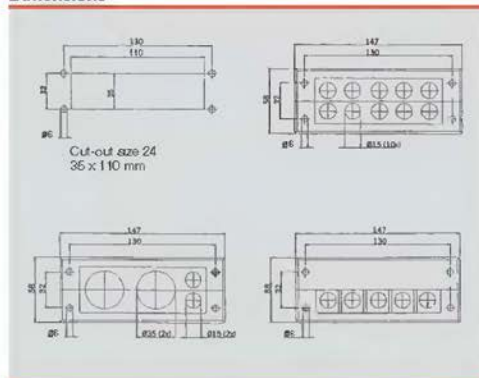
Type	Number of grommet positions		Qty	Order No.
	small	large		
HDC KEL 24/4	2	2	10	1825930000
HDC KEL 24/5	5	—	10	1825940000
HDC KEL 24/7	6	1	10	1849780000
HDC KEL 24/10	10	—	10	1827760000

Snap frame

HDC KEL 24 SNAP	10	1827780000
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*) with closed half shell

Dimensions



Cable entry frames

Cable clamping rail Cabtite KEL-EMV

Feeds through prefabricated cables without interrupting the shielding

Advantages:

- Direct, simple and quick contact with the enclosure
- Two-tier version saves space with up to 10 cables
- Strain relief without cable ties in accordance with VDE 0619
- No EMC cable glands necessary for mains-generated interference sources
- Low-impedance shielding contact
- Seals using outer sheath and not the shield = higher class of protection!
- Trouble-free retrofitting



Technical data

Material	Stainless steel
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Ordering data

Type	for	Qty	Order No.
HDC KEL EMV 16/4	KEL 16	10	1825750000
HDC KEL EMV 24/5	KEL 24	10	1825760000
HDC KEL EMV x/3	KEL 16 and KEL 24 transverse	10	1825770000

Cabrite KVT

KVTs are used to feed through prefabricated cables when space is tight or only a few cables are required. As is the case with its big brother, the KEL, this product is also a two-piece system for easy assembly using the same cable grommets. The preassembled KVT32 can be used for hole diameters up to 35 mm, the KVT63 for hole diameters up to 65 mm. A sealing ring is also included.

- This two-piece system means that the size of the plug-in connector to be fed through is limited only by the size of the hole diameter.
- Two-piece two-tier system
- Fast and easy mounting
- The predefined gap achieves a minimum class of protection of IP54
- Large numbers of cables in very confined spaces
- Retrofitting of prefabricated wiring also possible
- The manufacturer's guarantee covering the prefabricated cables remains valid
- Integral strain relief to VDE 0619



KEL 32


 Locknut for D-Sub 9
KGM-SUB-D9


KEL 63-1

Technical data

Material	Polyamide, free from halogens and silicone
Class of protection	IP54, when the correct cable grommet is selected
Temperature range	-5 °C ... 70 °C
UL 94 flammability rating	VO

Ordering data

Type	Thread	For grommet small large	Qty	Order No. white
HDC KVT 25	M 25 x 1.5	1 -	10	1825600000
HDC KVT 32	M 32 x 1.5	1 -	10	1825670000
HDC KVT 63-4	M 63 x 1.5	4 -	5	1825230000
HDC KVT 63-1	M 63 x 1.5	- 1	5	1825240000
Note: HDC KVT 63-x types are supplied with a locknut				
Locknut for D-Sub 9				
KGM-SUB-D9	M 32 x 1.5		10	1825250000

Operating mode

1. The grommet is fitted around the cable.

Important:

Choose an appropriately sized grommet for the diameter of the cable!



2. Press the grommet with the cable into the open cable gland. The flat sides of the grommet must face upwards when fitting the KVT 63/4!



3. Squeeze the two halves of the cable gland together until they lock together with an audible "click".



4. Place the seal, which is also supplied, over the thread. Then fit the cable gland into the hole and, if necessary, secure it with a locknut.



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, bar-codes, 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.



