

Small enclosures

Features



This is application-oriented range diversity:

6 enclosure types in 4 materials and more than 100 sizes.

With

- Fibreglass-reinforced polycarbonate
- Cast aluminium
- Sheet steel with high-quality coating
- Stainless steel

every aspect of your requirements is met.

It goes without saying that all this is achieved in Rittal's familiar high quality, and to suit every safety requirement.

And for special requirements:

Stainless steel enclosures, see page 302 – 307.

Ex enclosures, see page 324 – 326.

EMC enclosures, see page 327 – 328.

B
1.1

Small enclosures

Polycarbonate enclosures



Hinges available as accessories. Cover screw prepared for a lead seal.



3 attachment options:

- 1 Wall mounting brackets
- 2 Below the cover screws
- 3 Knockouts in the enclosure



Enclosure partially equipped with metric knockouts for faster assembly of cable glands.

Cast aluminium enclosures



Some holes tapped for the attachment of support rails, mounting plates or earthing systems.



Cover with captive screws.

- Wall mounting optionally
- below the cover
 - via wall mounting bracket (available as an accessory).



Drilled holes and assembly of cable glands (see page 1054) available on request.

Terminal boxes KL with and without gland plate



Cover may be opened and securely locked in a flash, thanks to the new quick-action screw. $\frac{3}{4}$ turn instead of thread ensures correct contact pressure of the seal.

Support rail TS 35/7.5 for better use of the depth, optionally attached at the bottom or via the profile strips on both sides with self-tapping screws.

Nanoceramic pretreatment, electrophoretic dipcoat priming and powder coating – reliable surface protection thanks to even coating in all the corners and edges.

E-Box



The "E-Box" supplied as standard with mounting plate, 180° hinge and double-bit lock system.

Lock insert exchangeable or prepared for a lead seal with lock cover as an accessory – see page 958.

The highly elastic foamed-in PU seal guarantees perfect sealing. High protection category IP 66 to EN 60 529/09.2000.

Bus enclosure/RiLAN Industrial

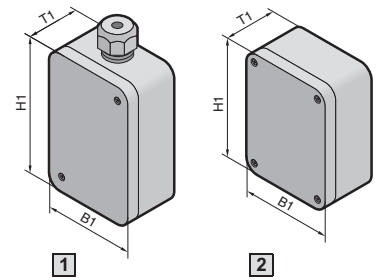


Door hinged at the bottom or side. Hinges with 180° opening angle, may be unscrewed from the inside.

Viewing window made from Macrolon with recess set flush into the metal.

Bus modules of virtually all makes may be attached via the built-in support rails.

Polycarbonate enclosures PK



Material:
Grey enclosure and cover (version .000) from fibreglass-reinforced polycarbonate, transparent cover (version .100) from polycarbonate, cover screws from polyamide, insulating bungs from polyethylene.

Colour:
RAL 7035

Protection category:
IP 66 to EN 60 529/09.2000

Supply includes:
Enclosure and cover, cover screws, insulating bungs for wall mounting screws (not with PK 9530.000 and PK 9531.000), all-round foamed-in PU seal.

Approvals,
see page 24.

Detailed drawing,
see page 1173.

Width (B1) mm	50	50	65	65	94	94	94	94	Page
Height (H1) mm	52	65	65	65	65	65	94	94	
Depth (T1) mm	35	35	57	81	57	81	57	81	
1 Model No. PK with cable gland for cable diameter 5 – 10 mm	9530.000	9531.000	–	–	–	–	–	–	
2 Model No. PK with grey cover	–	–	9500.000	9501.000	9502.000	9503.000	9504.000	9505.000	
Model No. PK with transparent cover	–	–	–	–	–	–	9504.100	–	
Packs of	10	10	12	12	8	8	6	6	

Accessories									
Mounting plate	–	–	–	–	9541.000	–	9542.000	–	113
Packs of	–	–	–	–	12	–	12	–	
Support rail (Packs of 12)									
TS 15/5.5	Installation in the width	–	–	9560.000	–	–	–	–	113
	Installation in the height	–	–	–	9560.000	–	–	–	113
TS 35/7.5	Installation in the width	–	–	–	–	–	9564.000	–	113
	Installation in the height	–	–	–	–	–	9564.000	–	113

Width (B1) mm	110	110	130	130	130	130	180	180	Page
Height (H1) mm	110	110	94	94	130	130	94	94	
Depth (T1) mm	66	90	57	81	75	99	57	81	
2 Model No. PK with grey cover	9506.000	9507.000	9508.000	9509.000	9510.000	9511.000	9512.000	9513.000	
Model No. PK with transparent cover	9506.100	9507.100	9508.100	9509.100	9510.100	9511.100	9512.100	9513.100	
Packs of	6	6	4	4	4	4	2	2	

Accessories									
Mounting plate	–	9543.000	–	9544.000	–	9545.000	–	9546.000	113
Packs of	–	12	–	12	–	10	–	10	
Support rail (Packs of 12)									
TS 15/5.5	Installation in the width	9562.000	–	9563.000	–	9563.000	–	–	113
	Installation in the height	9562.000	–	9561.000	–	9563.000	–	9561.000	113
TS 35/7.5	Installation in the width	9564.000	–	9565.000	–	9565.000	–	9566.000	113
	Installation in the height	9564.000	–	9564.000	–	9565.000	–	9564.000	113

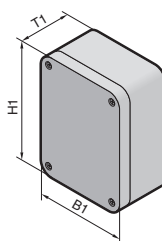


Cable gland, polyamide,
Model No. see page 1054.



Wall mounting bracket,
Model No. see page 113.

Polycarbonate enclosures PK



Material:
Grey enclosure and cover (version .000) from fibreglass-reinforced polycarbonate, transparent cover (version .100) from polycarbonate, cover screws from polyamide, insulating bungs from polyethylene.

Colour:
RAL 7035
Protection category:
IP 66 to EN 60 529/09.2000

Supply includes:
Enclosure and cover, cover screws, insulating bungs for wall mounting screws, all-round foamed-in PU seal.

Approvals,
see page 24.
Detailed drawing,
see page 1173.

Width (B1) mm	180	180	180	182	182	182	Page
Height (H1) mm	110	110	110	180	180	180	
Depth (T1) mm	90	111	165	90	111	165	
Model No. PK with grey cover	9514.000	9515.000	9516.000	9517.000	9518.000	9519.000	
Model No. PK with transparent cover	9514.100	9515.100	9516.100	9517.100	9518.100	9519.100	
Packs of	2	2	2	1	1	1	

Accessories							
Mounting plate		9547.000			9548.000		113
Packs of		10			10		
Support rail TS 35/7.5 (Packs of 12)							
Installation in the width		9566.000			9566.000		113
Installation in the height		9564.000			9566.000		113

Width (B1) mm	254	254	254	360	360	Page
Height (H1) mm	180	180	180	254	254	
Depth (T1) mm	90	111	165	111	165	
Model No. PK with grey cover	9520.000	9521.000	9522.000	9523.000	9524.000	
Model No. PK with transparent cover	9520.100	9521.100	9522.100	9523.100	9524.100	
Packs of	1	1	1	1	1	

Accessories							
Mounting plate		9549.000			9550.000		113
Packs of		8			4		
Support rail TS 35/7.5 (Packs of 12)							
Installation in the width		9567.000			9568.000		113
Installation in the height		9566.000			9567.000		113



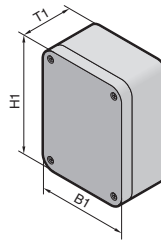
Hinges,
Model No. see page 113.



Turn-lock fastener,
Model No. see page 113.

Polycarbonate enclosures PK

with metric knockouts



Material:

Grey enclosure and lid of fibre-glass-reinforced polycarbonate, lid screws of polyamide, insulating bungs of polythene.

Colour:

RAL 7035

Protection category:

IP 66 to EN 60 529/09.2000

Supply includes:

Enclosure and cover, cover screws, insulating bungs for wall mounting screws, all-round foamed-in PU seal.

Approvals,

see page 24.

Detailed drawing,

see page 1173.

Width (B1) mm	65	130	180	254	Page
Height (H1) mm	65	94	110	180	
Depth (T1) mm	57	57	90	111	
Model No. PK	9500.050	9508.050	9514.050	9521.050	
Packs of	12	4	2	1	

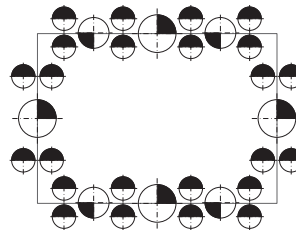
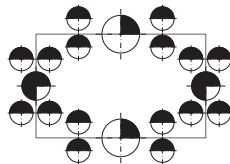
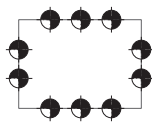
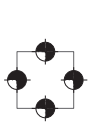
Accessories					
Mounting plate	-	9544.000	9547.000	9549.000	113
Packs of	12	12	10	8	
Support rail (Packs of 12)					
TS 15/5.5	Installation in the width	9560.000	9563.000	-	113
	Installation in the height	-	9561.000	-	113
TS 35/7.5	Installation in the width	-	9565.000	9566.000	113
	Installation in the height	-	9564.000	9564.000	113

PK 9500.050

PK 9508.050

PK 9514.050

PK 9521.050



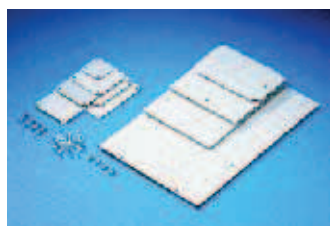
- M16/20
- M20
- M20/25
- M25/32
- M32/40



Cable gland, polyamide,
Model No. see page 1054.



Wall mounting bracket,
Model No. see page 113.



Mounting plate

For individual configuration

Design:

Melamine phenol-coated laminated paper, 2.5 mm thick.

Colour:

RAL 7035

Supply includes:

Self-tapping assembly screws.

To fit	Width mm	Height mm	Packs of	Model No. PK
PK 9502.000, PK 9503.000	74	45	12	9541.000¹⁾
PK 9504.000/.100, PK 9505.000	74	74	12	9542.000¹⁾
PK 9506.000/.100, PK 9507.000/.100	90	90	12	9543.000¹⁾
PK 9508.000/.100, PK 9508.050, PK 9509.000/.100	110	74	12	9544.000¹⁾
PK 9510.000/.100, PK 9511.000/.100	110	110	10	9545.000
PK 9512.000/.100, PK 9513.000/.100	160	74	10	9546.000
PK 9514.000/.100, PK 9514.050, PK 9515.000/.100, PK 9516.000/.100	150	90	10	9547.000
PK 9517.000/.100, PK 9518.000/.100, PK 9519.000/.100	150	150	10	9548.000
PK 9520.000/.100, PK 9521.000/.100, PK 9521.050, PK 9522.000/.100	220	150	8	9549.000
PK 9523.000/.100, PK 9524.000/.100	331	220	4	9550.000

¹⁾ with spacers



Turn-lock fastener

A quick, convenient screw fastening aid is obtained by clipping into the head of the lid screw.

Material:

Polyamide

Supply includes:

1 pack

	Packs of	Model No. PK
For all enclosures	100	9582.000



Hinges

For hinged attachment of lids. The supplied drilling template ensures problem-free assembly.

Supply includes:

1 set =
2 hinges,
4 assembly screws,
4 polyethylene sealing bungs,
1 drilling template.

For enclosure	Material	Packs of	Model No. PK
PK 9500.000 – PK 9513.000	Polycarbonate	10 sets	9580.000
PK 9514.000 – PK 9524.000	Polystyrene	10 sets	9581.000



Wall mounting brackets

The enclosure can be screwed to the wall using four wall mounting brackets. The bracket is securely attached to the enclosure by means of pins.

Material:

Polyamide, grey

Supply includes:

1 pack

	Packs of	Model No. PK
For all enclosures	40	9583.000



Support rail

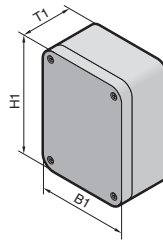
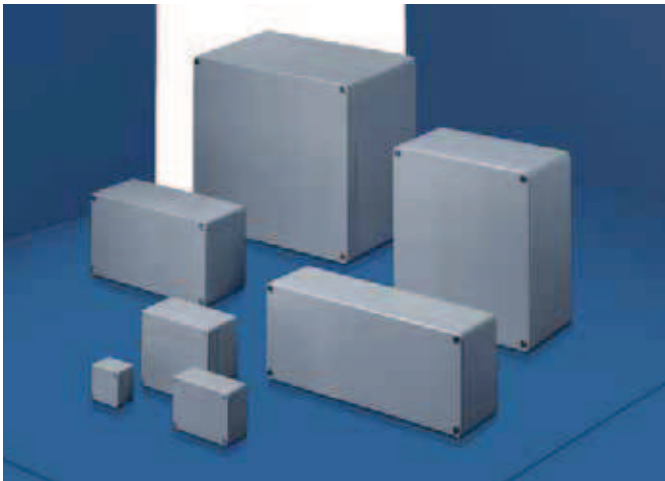
The two support rail sections provide good flexibility for accommodating terminal blocks and installed components.

Supply includes:

Two self-tapping assembly screws.

Rail	Rail length mm	Packs of	Model No. PK
TS 15/5.5	49.5	12	9560.000
	80	12	9561.000
	92	12	9562.000
	111	12	9563.000
TS 35/7.5	81	12	9564.000
	106	12	9565.000
	144	12	9566.000
	216	12	9567.000
	336	12	9568.000

Cast aluminium enclosures GA



Material:
Enclosure and lid made from cast aluminium, lid with neoprene cord seal.

Surface finish:
Textured enamel similar to RAL 7001

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
2 or 4 cover screws, captive mounted,
2 or 4 screws for the attachment of support rails, mounting plates etc.,
1 screw for connection of the PE conductor.



Rittal service:

Individual standard solutions for enclosures and covers

- Hole drilling
- Thread tapping
- Milling
- Screen printing
- Engraving
- Choice of RAL colours and other surface finishes available on request.

Detailed drawing,
see page 1174.

Width (B1) mm	50	58	98	150	75	125	175	250	122	Page
Height (H1) mm	45	64	64	64	80	80	80	80	120	
Depth (T1) mm	30	36	36	36	57	57	57	57	80	
Model No. GA	9100.210	9101.210	9102.210	9103.210	9104.210	9105.210	9106.210	9107.210	9108.210	
Packs of	6	5	3	2	1	1	1	1	1	

Accessories										
Mounting plate	-	-	-	-	-	9105.700	-	-	9108.700	115
Packs of	-	-	-	-	-	10	-	-	2	
Support rail ¹⁾	TS 15/5.5 (Packs of 10)	-	-	-	-	9105.150	-	-	-	115
	TS 35/7.5 (Packs of 5)	-	-	-	-	-	-	-	9108.350	115
Wall mounting brackets (Packs of 2)	-	-	-	-	-	-	-	-	9121.122	115
Exterior hinge (Packs of 2)	-	-	-	-	-	-	-	-	9123.000	115

Width (B1) mm	220	360	160	260	360	200	280	330	330	Page
Height (H1) mm	120	122	160	160	160	230	230	230	230	
Depth (T1) mm	90	80	90	90	90	110	110	110	180	
Model No. GA	9110.210	9111.210	9112.210	9113.210	9114.210	9116.210	9117.210	9118.210	9119.210	
Packs of	1	1	1	1	1	1	1	1	1	

Accessories										
Mounting plate	9110.700	-	9112.700	9113.700	9114.700	9116.700	9117.700	9118.700	9118.700	115
Packs of	2	-	2	2	1	1	1	1	1	
Support rail ¹⁾	TS 35/7.5 (Packs of 5)	9110.350	-	9112.350	-	-	-	-	-	115
Wall mounting brackets (Packs of 2)	9121.122	9121.122	9121.160	9121.160	9121.160	9121.230	9121.230	9121.230	9121.230	115
Exterior hinge (Packs of 2)	9123.000	9123.000	9123.000	9123.000	9123.000	9123.000	9123.000	9123.000	9123.000	115

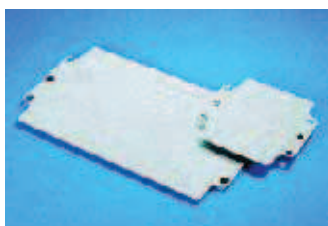
¹⁾ Installation in the width



Cable gland, brass,
Model No. see page 1054.



Multi-seal inserts,
Model No. see page 1055.



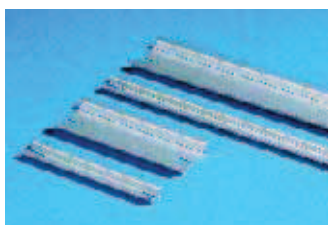
Mounting plate

for universal interior installation.

Material:

Sheet steel, zinc-plated, passivated, with attachment holes.

Exterior dimensions mm		For enclosure	Packs of	Model No. GA
Width	Height			
114	69	GA 9105.210	10	9105.700
109	107	GA 9108.210	2	9108.700
207	107	GA 9110.210	2	9110.700
144	142	GA 9112.210	2	9112.700
245	142	GA 9113.210	2	9113.700
346	142	GA 9114.210	1	9114.700
183	214	GA 9116.210	1	9116.700
264	214	GA 9117.210	1	9117.700
314	214	GA 9118.210/GA 9119.210	1	9118.700



Support rail

To accommodate terminal blocks or other installed equipment.

Material:

Sheet steel, zinc-plated, passivated.

Rail	Rail length available for population mm	For enclosure width mm	Packs of	Model No. GA
TS 15/5.5 to EN 50 045	95	125	10	9105.150
TS 35/7.5 to EN 50 022	80	122	5	9108.350
	115	160	5	9112.350
	180	220	5	9110.350



Wall mounting bracket

For external mounting to surfaces – no need to dismantle the lid if pre-assembled.

Material:

Sheet steel, zinc-plated, passivated

For enclosure	Packs of	Model No. GA
GA 9108.210/ GA 9110.210/ GA 9111.210	2	9121.122
GA 9112.210/ GA 9113.210/ GA 9114.210	2	9121.160
GA 9116.210/ GA 9117.210/ GA 9118.210/ GA 9119.210	2	9121.230

Hinge, exterior

For fastening the lid to the enclosure base.

Material:

Die-cast aluminium

Colour:

RAL 7001

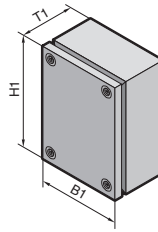
For enclosure	Packs of	Model No. GA
GA 9108.210/ GA 9110.210/ GA 9111.210/ GA 9112.210/ GA 9113.210/ GA 9114.210/ GA 9116.210/ GA 9117.210/ GA 9118.210/ GA 9119.210	2 + 8 screws	9123.000

Terminal boxes KL

without gland plate, depth: 80

Terminal boxes KL

1.1



Material:
Enclosure: Sheet steel 1.25 mm
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover:
Dipcoat-primed,
powder-coated in textured
RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000,
complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round
foamed-in PU seal and quick-
action screws, including plastic
bushes.

Approvals,
see page 25.

Detailed drawing,
see page 1175.

Width (B1) mm	Packs of	150	200	200	300	300	400	600	Page
Height (H1) mm		150	150	200	150	200	200	200	
Depth (T1) mm		80	80	80	80	80	80	80	
Model No. KL	1	1514.510	1528.510	1516.510	1515.510	1517.510	1518.510	1519.510	
Weight (kg)		1.4	1.6	1.9	2.1	2.6	3.2	4.6	

Accessories									
Mounting plate	1	1560.700	1575.700	1562.700	1561.700	1563.700	1564.700	1566.700	978
Support rail TS 35/7.5	10	2314.000	2315.000	2315.000	2316.000	2316.000	2317.000	–	1002
Support rail TS 35/15	10	–	–	–	–	–	–	2319.000	1002
Cover retainer	3 pairs	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	962
Cover hinge	6	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	962
Earthing set	5	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	1036

To order terminal boxes in textured RAL 7032 please add extension .210 to the Model No., and for primed terminal boxes use extension .310.
Delivery times available on request.



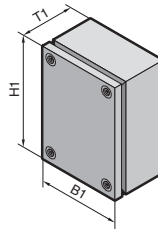
**Double-membrane gland,
stepped collar** for cable entry,
Model No. see page 1058.



Earthing set for KL,
comprising all the parts needed
for earthing of the cover.
Model No. see page 1036.

Terminal boxes KL

without gland plate, depth: 120



Material:

Enclosure: Sheet steel 1.25 mm;
1.38 mm for KL 1507.510 to
KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:

Enclosure and cover:
Dipcoat-primed,
powder-coated in textured
RAL 7035 on the outside

Protection category:

IP 66 to EN 60 529/09.2000,
complies with NEMA 4.

Supply includes:

Enclosure, cover with all-round
foamed-in PU seal and quick-
action screws, including plastic
bushes.

Approvals,
see page 25.

Detailed drawing,
see page 1175.

Width (B1) mm	Packs of	150	200	200	300	300	300	400	400	400	400	Page
Height (H1) mm		150	150	200	150	200	300	150	200	300	400	
Depth (T1) mm		120	120	120	120	120	120	120	120	120	120	
Model No. KL	1	1500.510	1529.510	1502.510	1501.510	1503.510	1507.510	1589.510	1504.510	1508.510	1511.510	
Weight (kg)		1.6	1.8	2.3	2.6	3.0	4.0	3.2	3.6	4.8	6.2	

Accessories

Mounting plate	1	1560.700	1575.700	1562.700	1561.700	1563.700	1567.700	1576.700	1564.700	1568.700	1571.700	978
Support rail TS 35/7.5	10	2314.000	2315.000	2315.000	2316.000	2316.000	2316.000	2317.000	2317.000	2317.000	2317.000	1002

Width (B1) mm	Packs of	500	500	600	600	600	800	800	Page
Height (H1) mm		200	300	200	300	400	200	400	
Depth (T1) mm		120	120	120	120	120	120	120	
Model No. KL	1	1505.510	1509.510	1506.510	1510.510	1512.510	1527.510	1513.510	
Weight (kg)		4.4	5.8	5.7	6.8	8.4	6.8	11.0	

Accessories

Mounting plate	1	1565.700	1569.700	1566.700	1570.700	1572.700	1574.700	1573.700	978
Support rail TS 35/15	10	2318.000	2318.000	2319.000	2319.000	2319.000	-	-	1002
Cover retainer	3 pairs	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	962
Cover hinge	6	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	962
Earthing set	5	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	1036

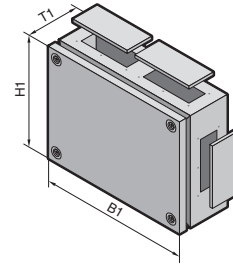
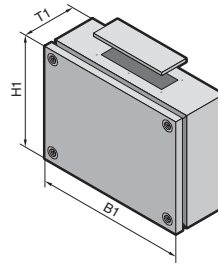
To order terminal boxes in textured RAL 7032 please add extension .210 to the Model No., and for primed terminal boxes use extension .310.
Delivery times available on request.



**Cable glands, reducers and
multi-seal inserts,**
Model No. see page 1054 –
1055.

Terminal boxes KL

with gland plate, depth: 120



Terminal boxes KL

1.1

Material:
Enclosure: Sheet steel 1.38 mm;
1.25 mm for KL 1530.510 to
KL 1534.510 and KL 1542.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-
primed, powder-coated on the
outside in textured RAL 7035

Protection category:
IP 55 to EN 60 529/09.2000,
complies with NEMA 12.

Supply includes:
Enclosure with gland apertures,
cover with foamed-in special
seal and quick-action screws
including plastic bushes,
sheet steel gland plates with
seals and assembly parts.

Approvals,
see page 25.

Detailed drawing,
see page 1175.

Width (B1) mm	Packs of	300	300	300	400	400	400	Page
Height (H1) mm		150	200	300	200	300	400	
Depth (T1) mm		120	120	120	120	120	120	
Model No. KL	1	1530.510	1531.510	1535.510	1532.510	1536.510	1539.510	
Weight (kg)		2.7	3.3	4.5	4.0	5.2	6.7	

Accessories

Mounting plate	1	1561.700	1563.700	1567.700	1564.700	1568.700	1571.700	978
Gland plate (top + bottom)	Size	2	2	2	2	2	2	from 1048
	Qty.	1 + 1	1 + 1	1 + 1	1 + 1	1 + 1	1 + 1	
Gland plate (left + right)	Size	-	-	2	-	2	2	from 1048
	Qty.	-	-	1 + 1	-	1 + 1	1 + 1	
Support rail TS 35/7.5	10	2316.000	2316.000	2316.000	2317.000	2317.000	2317.000	1002

Width (B1) mm	Packs of	500	500	600	600	600	800	800	Page
Height (H1) mm		200	300	200	300	400	200	400	
Depth (T1) mm		120	120	120	120	120	120	120	
Model No. KL	1	1533.510	1537.510	1534.510	1538.510	1540.510	1542.510	1541.510	
Weight (kg)		4.9	5.2	5.9	7.7	9.0	7.2	12.0	

Accessories

Mounting plate	1	1565.700	1569.700	1566.700	1570.700	1572.700	1574.700	1573.700	978
Gland plate (top + bottom)	Size	2	2	2	2	2	2	2	from 1048
	Qty.	2 + 2	2 + 2	2 + 2	2 + 2	2 + 2	3 + 3	3 + 3	
Gland plate (left + right)	Size	-	2	-	2	2	-	2	from 1048
	Qty.	-	1 + 1	-	1 + 1	1 + 1	-	1 + 1	
Support rail TS 35/15	10	2318.000	2318.000	2319.000	2319.000	2319.000	-	-	1002
Cover retainer	3 pairs	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	1591.000	962
Cover hinge	6	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	1592.000	962
Earthing set	5	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	2570.100	1036

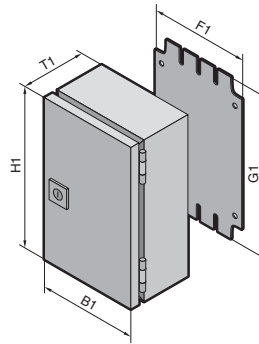
To order terminal boxes in textured RAL 7032 please add extension .210 to the Model No., and for primed terminal boxes use extension .310. Delivery times available on request.



Cover hinge
The cover hinge is simply
screwed to the enclosure
protection channel and to the
bottom edge of the cover.
Model No. see page 962.



Cover retainer
The cover retainer is easily fitted
without drilling, and allows the
covers to be opened upwards,
even when the terminal box
below is bayed.
Model No. see page 962.



Material:

Sheet steel
Enclosure: 1.25 mm;
1.38 mm for EB 1555.500,
EB 1556.500, EB 1577.500 to
EB 1579.500

Surface finish:

Enclosure and door:
Dipcoat-primed,
powder-coated in textured
RAL 7035 on the outside
Mounting plate: Zinc-plated

Protection category:

IP 66 to EN 60 529/09.2000,
complies with NEMA 4.

Supply includes:

Enclosure with mounting plate,
door including 180° hinges and
cam lock with double-bit insert.

Approvals,
see page 25.

Detailed drawing,
see page 1176.

Depth 80 mm

Width (B1) mm	Packs of	150	150	200	200	200	200	200
Height (H1) mm		150	300	200	300	400	300	400
Depth (T1) mm		80	80	80	80	80	80	80
Mounting plate width (F1) mm		125	125	175	175	175	175	175
Mounting plate height (G1) mm		135	285	185	285	385	285	385
Model No. EB	1	1551.500	1545.500	1546.500	1552.500	1552.500	1552.500	1547.500
Weight (kg)		1.7	2.6	2.4	3.2	3.2	3.2	4.4

Depth 120 mm

Width (B1) mm	Packs of	150	150	200	200	200	300	300	200
Height (H1) mm		150	300	200	300	400	300	400	500
Depth (T1) mm		120	120	120	120	120	120	120	120
Mounting plate width (F1) mm		125	125	175	175	175	275	275	175
Mounting plate height (G1) mm		135	285	185	285	385	285	385	485
Model No. EB	1	1553.500	1548.500	1549.500	1554.500	1550.500	1555.500	1556.500	1557.500
Weight (kg)		2.0	3.0	2.8	3.6	5.0	5.0	6.4	6.2

Depth 155 mm

Width (B1) mm	Packs of	300	300	300	300
Height (H1) mm		400	600	800	800
Depth (T1) mm		155	155	155	155
Mounting plate width (F1) mm		275	275	275	275
Mounting plate height (G1) mm		385	585	785	785
Model No. EB	1	1577.500	1578.500	1579.500	1579.500
Weight (kg)		7.1	11.0	13.2	13.2

Lock systems

Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956,
lock cylinder inserts, plastic handles and T handles, type B, see page 954 – 957.

**To order terminal boxes in textured RAL 7032 please add extension .600 to the Model No., and for primed terminal boxes use extension .800.
Delivery times available on request.**

Bus enclosures BG



Bus enclosures

Material:

Sheet steel
 Enclosure: 1.38 mm
 Door: 1.5 mm
 Viewing window made from polycarbonate, 4 mm

Surface finish:

Enclosure and door:
 Powder-coated in textured RAL 7035

Protection category:

IP 65 to EN 60 529/09.2000,
 complies with NEMA 12.

Supply includes:

Door with l/h hinge,
 1 cam lock with double-bit insert,
 2 (1) support rail(s) TS 35/7.5 (for BG 1586.510).
 Drilled holes for cable glands in the base.

Approvals,

see page 26.

Dimensions mm			PG version					Metric version			Model No. BG	Model No. BG	
			Number of PG holes					Number of metric holes					
W (B)	H	D (T)	9	11	13.5	16	21	M12	M20	M25			
200	300	80	1	8	-	1	1	2	5	2		1583.510	1583.520
300	300	80	1	14	-	1	1	2	9	2		1584.510	1584.520
400	300	80	1	18	-	1	2	2	13	3		1585.510	1585.520
500	300	80	3	-	24	-	-	3	24	-		1586.510	1586.520

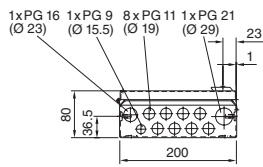
Lock systems

Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956 and plastic handles, type B, see page 954.

To order enclosures in RAL 7032, please add the extension .210 or .220 to the Model No. Delivery times available on request.

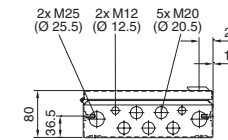
PG

BG 1583.510

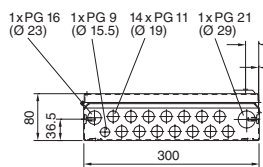


Metric

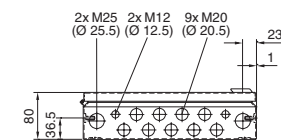
BG 1583.520



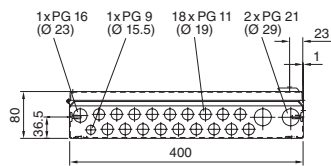
BG 1584.510



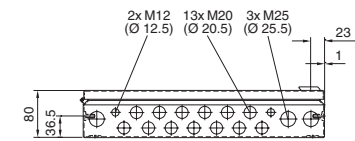
BG 1584.520



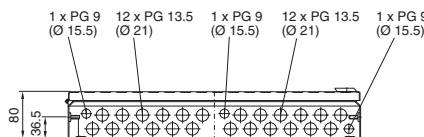
BG 1585.510



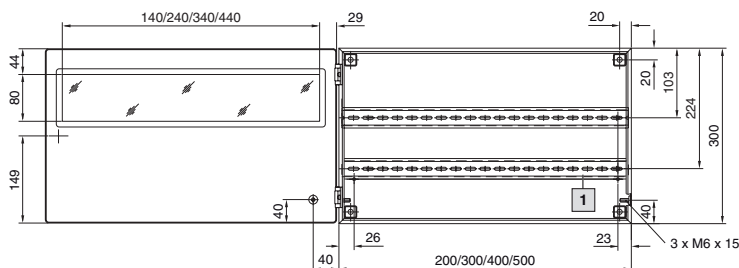
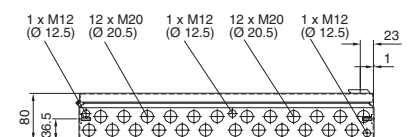
BG 1585.520



BG 1586.510



BG 1586.520



1 Not applicable to BG 1586.510



Bus enclosure

Material:

Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:

Enclosure and door:
Powder-coated in textured RAL 7035

Protection category:

IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

Supply includes:

Door with r/h hinge,
1 cam lock with double-bit insert,
1 support rail TS 35/7.5.
Holes for screwed cable glands in the base.

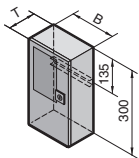
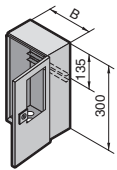


Accessories:

Cable glands made from polyamide or brass,
see page 1054.

Approvals,

see page 26.



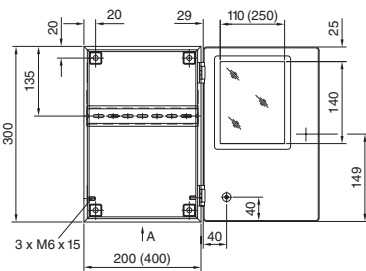
Dimensions in mm			Number of metric holes				Model No. BG
W (B)	H	D (T)	M12	M20	M32	M50	
200	300	120	2	–	5	–	1605.520
400	300	120	–	2	9	1	1606.520

Lock systems

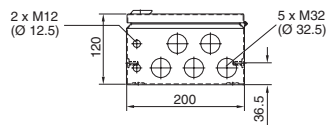
Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956
and plastic handles, type B, see page 954.

To order enclosures in RAL 7032, please add the extension .220 to the Model No.

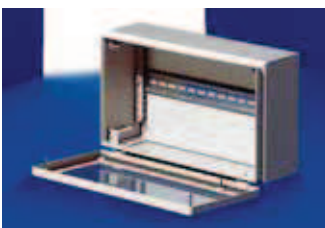
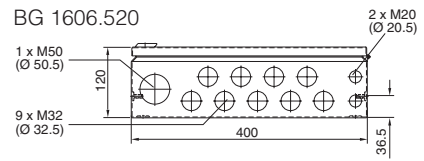
Delivery times available on request.



BG 1605.520



BG 1606.520



Bus enclosure

Material:

Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:

Enclosure and door:
Dipcoat-primed, powder-coated in
textured RAL 7035

Protection category:

IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

Dimensions in mm			Model No. BG
W (B)	H	D (T)	
400	200	125	1558.510
600	200	125	1559.510

To order enclosures in RAL 7032, please add the extension .210 to the Model No.
Delivery times available on request.

Supply includes:

Door hinged at the bottom,
2 (3) quick-release fasteners for screwdriver
(with BG 1559.510),
1 support rail TS 35/7.5,
1 gland plate at the bottom.

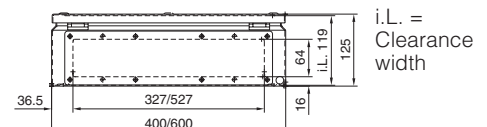
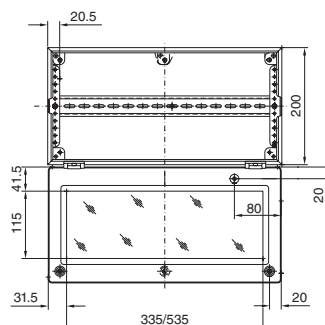
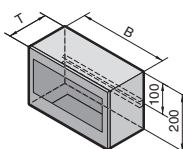
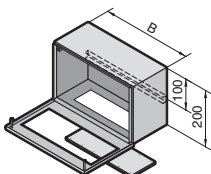


Accessories:

for BG 1559.150
gland plates, size 6,
see page 1050.

Approvals,

see page 26.



Bus enclosures BG



Bus enclosure

Material:
 Sheet steel
 Enclosure: 1.38 mm
 Door: 1.5 mm
 Polycarbonate viewing window (not all versions)
 Zinc-coated mounting plate

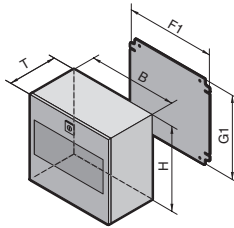
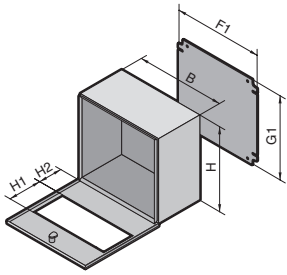
Surface finish:
 Enclosure and door:
 Powder-coated in textured RAL 7035

Protection category:
 IP 65 to EN 60 529/09.2000,
 complies with NEMA 12.

Supply includes:
 Door hinged at the bottom,
 cam locks with double-bit insert,
 may be exchanged for type A lock inserts,
 page 956 and type B plastic handles, page 954.

Modification:
 Viewing window and gland plate as per selection

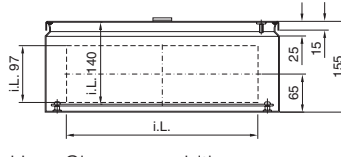
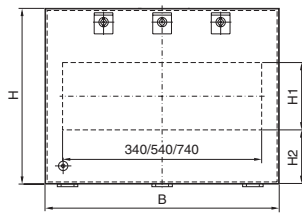
Approvals,
 see page 26.



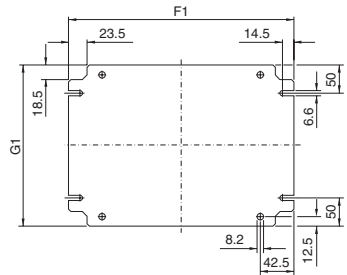
Selection	W (B)	H	D (T)	F1	G1	Cam lock	Heights of viewing windows mm		Gland plate opening clearance width x clearance width 97 ²⁾	Model No. EB/BG	
							H1	H2		Basic	Extension
Step 1: Enclosure dimensions	400	300	155	385	275	1			327 x 97	1577.	
	600	300	155	585	275	2			527 x 97	1578.	
	800	300	155	785	275	2			327 x 97 (2 x)	1579.	
Step 2: Modifications							without viewing window		without		.500
							115	92	without		.520¹⁾
							190	42	without		.530¹⁾
							115	92	with, depending on the selected base		.550¹⁾
							190	42	with, depending on the selected base		.560¹⁾
						155	92	without			.450¹⁾

To order enclosures in RAL 7032, please add the extension .6X0 to the Model No.
 Delivery times available on request.

¹⁾ Extended delivery times. ²⁾ Gland plates 14 mm larger all round.



i.L. = Clearance width



Bus enclosure

Material:
 Sheet steel
 Enclosure: 1.38 mm
 Door: 1.5 mm
 Viewing window made from polycarbonate, 4 mm

Surface finish:
 Enclosure and door:
 Powder-coated in textured RAL 7035

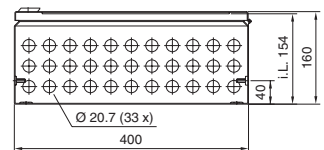
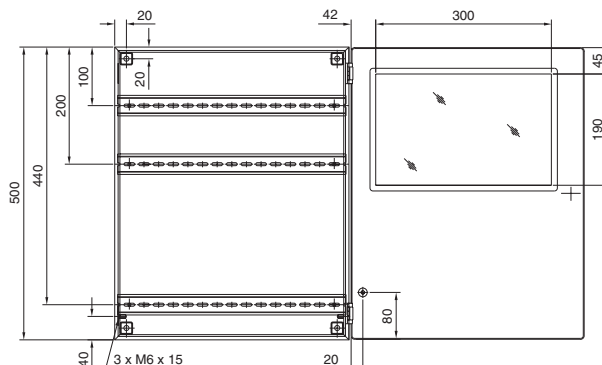
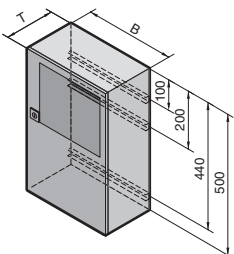
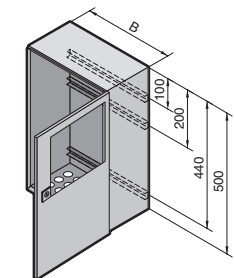
Protection category:
 IP 65 to EN 60 529/09.2000,
 complies with NEMA 12.

Approvals,
 see page 27.

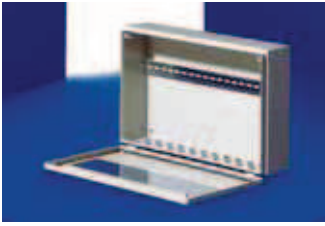
Dimensions in mm			Number of drilled holes for PG 13.5 or M20	Model No. BG
W (B)	H	D (T)		
400	500	160	33	1611.510

To order enclosures in RAL 7032, please add the extension .210 to the Model No.
 Delivery times available on request.

Supply includes:
 Door with r/h hinge,
 1 cam lock with 3 mm double-bit insert,
 may be exchanged for type A lock inserts,
 page 956 and type B plastic handles, page 954.
 3 support rails TS 35/7.5.
 Holes for screwed cable glands in the base.



i.L. = Clearance width



Bus enclosure

Material:

Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:

Enclosure and door:
Powder-coated in textured RAL 7035

Protection category:

IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

Dimensions in mm			Number of drilled holes for PG 13.5 or M20	Model No. BG
W (B)	H	D (T)		
500	300	120	48	1609.510

To order enclosures in RAL 7032, please add the extension .210 to the Model No. Delivery times available on request.

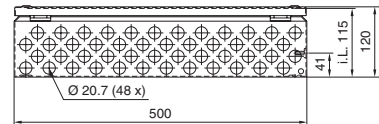
Supply includes:

Door hinged at the bottom,
2 quick-release fasteners for screwdrivers,
1 support rail TS 35/7.5.
Holes for screwed cable glands in the base.

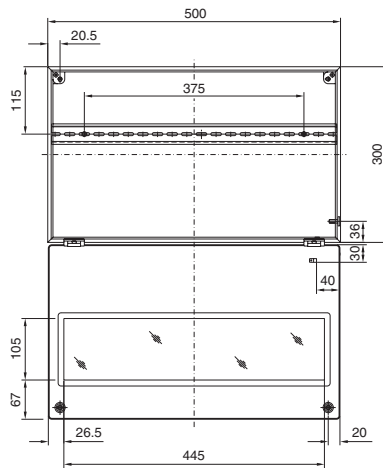
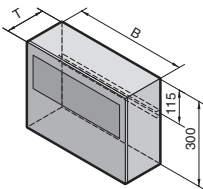
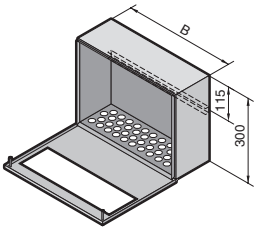
Accessories:

Cable glands made from polyamide or brass, see page 1054.

Approvals, see page 27.



i.L. = Clearance width



Bus enclosure for modular cable entry

Material:

Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:

Enclosure and door:
Powder-coated in textured RAL 7035

Protection category:

IP 55 to EN 60 529/09.2000,
complies with NEMA 12
(in conjunction with module plates).

Width mm	Height mm	Depth (T) mm	Model No. BG
500	500	210	1050.900

Delivery times available on request.

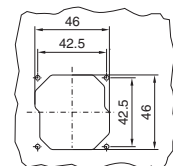
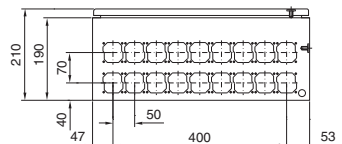
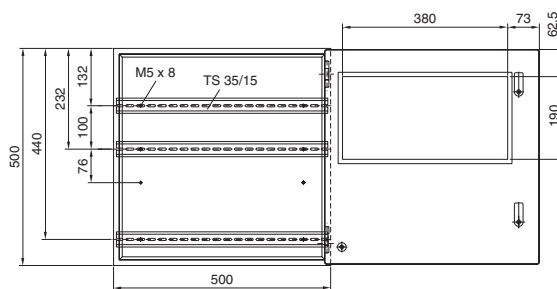
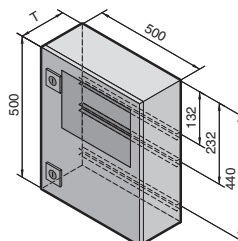
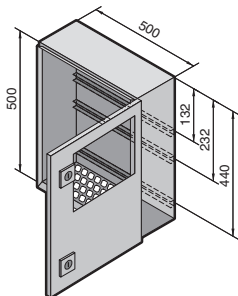
Supply includes:

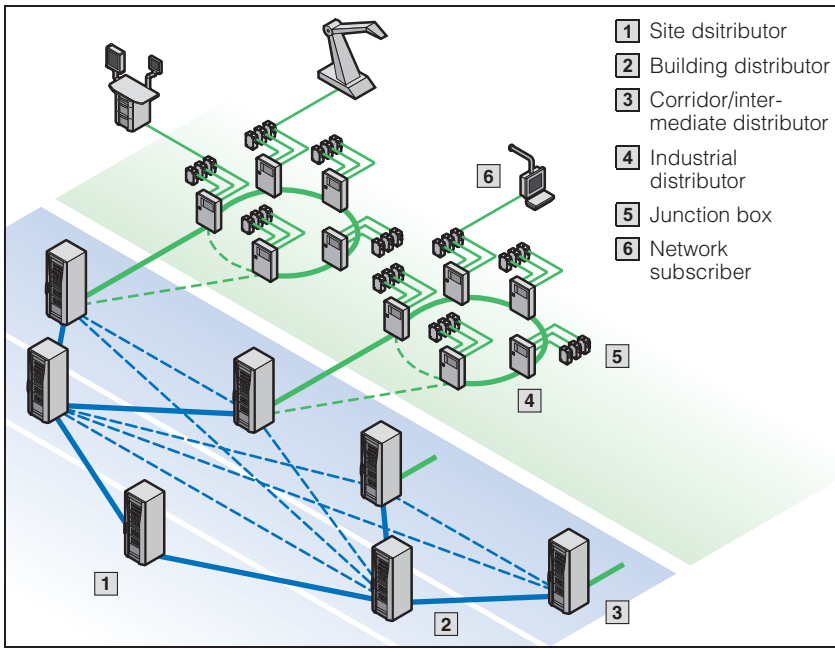
18 cut-outs in the base for module plates,
pre-configured top-hat rail for bus systems
(I/O modules, motor starters) and terminal blocks.
Door with viewing panel for visual monitoring of
the installed components.

Also required:

Module plates,
see page 1051.

Approvals,
see page 27.





**RiLAN Industrial IN –
The solution for industrial networks.**

Perfect protection for industrial networks

The migration of Ethernet into the industrial sector is in full swing. In future, company-wide networks will ensure a direct link between production and the office environment. The link between IT and machine is made by the RiLAN connection sockets and industrial distributors, which may be individually adapted to local requirements with an extensive range of installation accessories. In this way, the networks are protected from stress factors such as dust, oil mist and heat.

Fast and service-friendly

In order to avoid expensive downtime, RiLAN Industrial IN is designed for speed and flexibility in every detail. All key components of the structured wiring may be accessed quickly and easily from one side.



Junction box IP 67

Plastic

The RJ 45 connector pattern of the junction box is PROFINET-compatible and authorised for industrial applications in ISO/IEC 24 702.

For use in areas with more demanding requirements in terms of protection category, such as

- Industrial plant
- Warehouses and assembly halls
- Laboratories and workshops

Design:

- Robust enclosure for surface-mounting
- 2 RJ 45 jacks for cable AWG 22 – 24 (solid/flexible), Category 6 to ISO/IEC 11801:2002 and EN 50 173-1
- Cable infeed from above or below via cable glands
- Integral cable manager for secure cable routing
- Insulation stripping aid
- Protective flaps, captive, self-closing
- Option for adding a lead seal
- Watertight label panel



Packs of	Model No. IN
1	2203.500

Dimensions

W x H x D: 90 x 152 x 69 mm

Material:

Polycarbonate, impact-resistant, halogen-free, UL 94-V0

Colour:

RAL 9011

Protection category:

IP 67 to EN 60 529/09.2000

Supply includes:

Enclosure with cable manager, 2 RJ 45 jacks, 2 cable glands, 1 sealing bung, assembly instructions.



Junction box IP 65

Cast aluminium

Robust junction box for use in areas with more demanding requirements in terms of protection category and impact resistance. The RJ 45 connector layout is authorised to ISO/IEC 24 702 for applications in the area of IEC 61 918.

Design:

- Robust enclosure for surface-mounting
- 2 side slots RJ 45 (right) Category 5 to ISO/IEC 11801:2002 and EN 50 173-1
- Connection via LSA connection strips on PCB
- Cable infeed via two M20 cable glands, capacity 5 – 13 mm

Packs of	Model No. IN
1	2203.600

Dimensions

W x H x D: 80 x 125 x 57 mm (enclosure only)

Material:

Cast aluminium

Colour:

RAL 7035

Protection category:

IP 65 EN 60 529/09.2000

Supply includes:

Enclosure with PCB and integral RJ 45 jacks, 2 cable glands M20, 1 sealing bung.



Empty enclosure for industrial distributor

W x H x D: 600 x 760 x 210 mm

Provides space for Ethernet connection of 24 subscribers with patch panel.

Material:

Sheet steel

Surface finish:

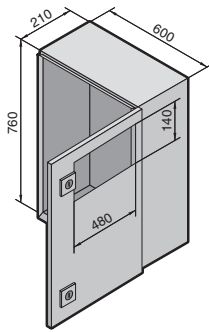
Enclosure and door:
Dipcoat-primed, powder-coated in textured RAL 7035 on the outside
Mounting plate: Zinc-plated

Protection category:

IP 56/54 to EN 60 529/09.2000
(depending on the gland plate fitted).

Supply includes:

Enclosure, one-door, without gland plate in the enclosure base, r/h door hinge, with 2 cam locks, polycarbonate viewing panel, foamed-in door seal, mounting plate.



Packs of	Model No. IN
1	1076.290 ¹⁾

¹⁾ Stainless steel and plastic versions available on request.

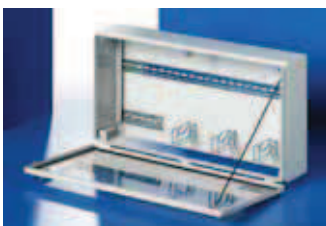
+ Accessories:

Metal gland plate, size 5	Packs of	Model No. IN	Page
Solid	1	2563.150	1050
Pre-punched	1	2203.010	1050
With cable glands	1	2203.020	1050
With grommets	1	2203.030	1050
Patch panels with 1/2/8 slots, see page 1106			
Fibre-optic splicing cassette support, see page 1114			

+ Rittal service:

Mounting of components available from Rittal. Cut-outs, e. g. for interface flaps, see page 1150 and signal pillars, see page 1125.

Detailed drawing,
see page 1176.



Empty enclosure for industrial distributor

W x H x D: 600 x 300 x 125 mm

Provides space for Ethernet connection of

- up to 24 users without patch panel
- up to 12 users with patch panel

Material:

Sheet steel

Surface finish:

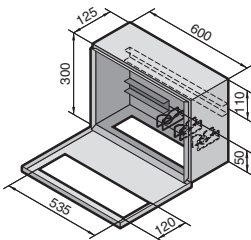
Enclosure and cover:
Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:

IP 65/54 to EN 60 529/09.2000
(with fitted gland plate)

Supply includes:

Enclosure, without gland plate in the enclosure base, lid hinged at the bottom, opening angle of lid limited to 90° by a retaining cord, 3 quick-release fasteners for screwdrivers, polycarbonate viewing panel, foamed-in lid seal, 2 fitted support rails TS 35/7.5 (590 and 150 mm long), 3 fitted cable shunting rings DK 7112.000.



Packs of	Model No. IN
1	1510.280

+ Accessories:

Metal gland plate, size 6	Packs of	Model No. IN	Page
Solid	1	2207.010	1050
Pre-punched	1	2207.020	1050
With cable glands	1	2207.030	1050
Patch panels with 1/2 slots, see page 1106			

+ Rittal service:

Mounting of components available from Rittal. Cut-outs, e. g. for interface flaps, see page 1150 and signal pillars, see page 1125.