

Bus enclosure BG

The increasing popularity of industrial bus systems and small control systems created the need for a special range of enclosures. The empty enclosures are suitable for accommodating bus systems from all manufacturers.

In addition to these special enclosures, all

- Terminal boxes KL, see page 48 – 55
- Electrical boxes EB, see page 56 – 59
- Compact enclosures AE, see page 66 – 81

made from sheet steel or stainless steel (see page 280 – 281) can also be modified for the installation of modern bus technology and Ethernet modules.

Provided dimensions permit, these modules may also be installed in

- Polycarbonate terminal boxes PK, see page 32 – 37
- Cast aluminium enclosures GA, see page 40 – 43.

Rittal makes every effort to supply compact enclosures to accommodate the latest modules. If the brand you use does not fit, please let us know, and we will devise a new solution as soon as possible.

Other sizes, hole patterns, viewing windows or manufacturer/user-specific designs available on request.

BG bus enclosures have the following approvals:

- TÜV
- Lloyd's Register of Shipping
- VDE



Material:

Sheet steel

Enclosure: 1.25/1.38 mm depending on the version

Cover: 1.25 mm

Viewing window of 4 mm polycarbonate

Surface finish:

Enclosure and door:

Dipcoat primed and powder coated in textured RAL 7032

Protection category:

IP 65 to EN 60 529/10.91

IP 55 to EN 60 529/10.91

for BG 1558.210 and BG 1559.210



Bus enclosures BG, stainless steel, see page 270/271.

Accessories



EMC cable gland
See page 894.



Wall mounting bracket
See page 962.



Mounting clip for support rail
For assembling components which cannot be snap-fastened – see page 983.



1 Door hinged at the bottom or side. Hinges with 180° opening range may be unscrewed from inside the enclosure.

4 Base with holes for PG or metric screwed cable glands or gland plate for universal machining.

7 Support rail TS 35/7.5 permanently screw-fastened on bolts.

10 Electrophoretic dipcoat priming and powder coating – reliable surface protection, with uniform coating of all corners and edges in textured RAL 7032.

2 Viewing window made from milled polycarbonate stuck flush with the door.

5 Holes and pre-punchings in the rear wall panel permit both direct wall mounting and the use of a wall mounting bracket. (See page 962).

8 Support rail screw-fastened underneath the profile strip, adjustable on a 12.5 mm pitch pattern.

3 The foamed-in seal protected by the labyrinth between the enclosure and the door may be over-painted.

6 Earthing bolt or bracket in the door and enclosure (for BG 1558.210 / BG 1559.210 on a profile strip inside the enclosure).

9 Zinc-plated mounting plate for combined assembly.



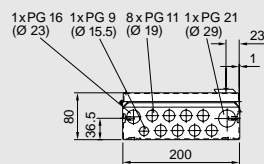
Bus enclosures

- Door hinged on the left.
- 1 cam lock with double-bit insert, may be exchanged for type A lock inserts, page 942 and type B plastic handles, page 940.
- Viewing window, polycarbonate, 4 mm.
- 2 (1) support rail(s) TS 35/7.5 (for BG 1586.210).
- Holes for PG or metric screwed cable glands in the base.

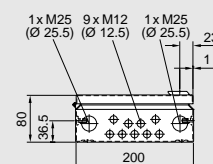
Dimensions mm			PG version						Metric version			
			Number of PG holes					Model No.	Number of metric holes			Model No.
W	H	D	9	11	13.5	16	21		M12	M20	M25	
200	300	80	1	8	–	1	1	1583.210	9	–	2	1583.220
300			1	14	–	1	1	1584.210	15	–	2	1584.220
400			1	18	–	1	2	1585.210	19	–	3	1585.220
500			3	–	24	–	–	1586.210	3	24	–	1586.220

To order in RAL 7035, please add extension .510 or .520 to the Model No. Delivery times available on request.

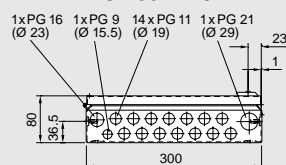
BG 1583.210



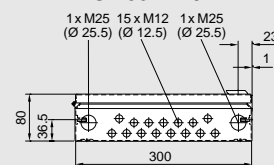
BG 1583.220



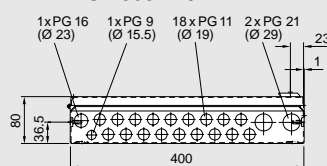
BG 1584.210



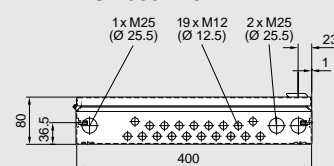
BG 1584.220



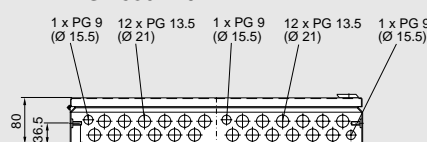
BG 1585.210



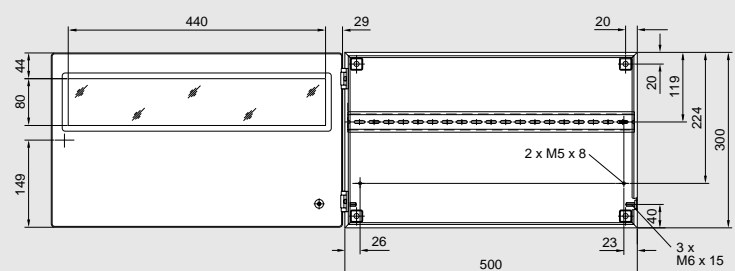
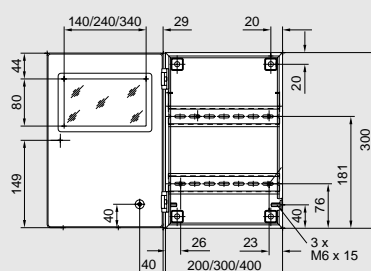
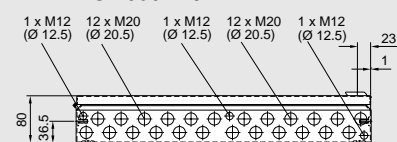
BG 1585.220



BG 1586.210



BG 1586.220



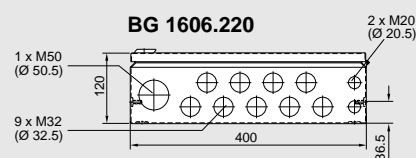
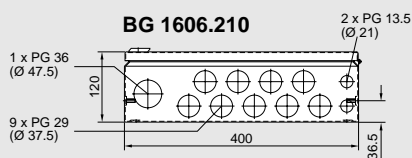
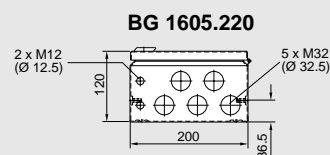
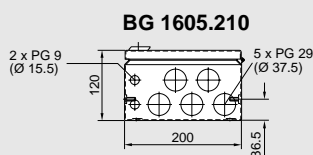
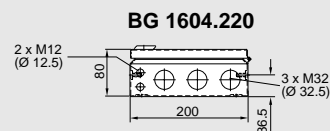
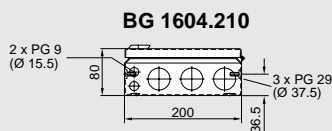
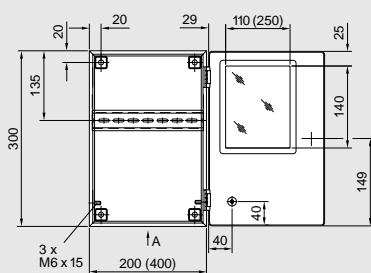


Bus enclosures

- Door hinged on the right.
- 1 cam lock with double-bit insert, may be exchanged for type A lock inserts, page 942 and type B plastic handles, page 940.
- Viewing window, polycarbonate, 4 mm.
- 1 support rail TS 35/7.5.
- Holes for PG or metric screwed cable glands in the base.

Dimensions mm			PG version					Metric version				
			Number of PG holes				Model No.	Number of metric holes				Model No.
W	H	D	9	13.5	29	36		M12	M20	M32	M50	
200	300	80	2	—	3	—	1604.210	2	—	3	—	1604.220
		120	2	—	5	—	1605.210	2	—	5	—	1605.220
400			—	2	9	1	1606.210	—	2	9	1	1606.220

To order in RAL 7035, please add extension .510 or .520 to the Model No. Delivery times available on request.

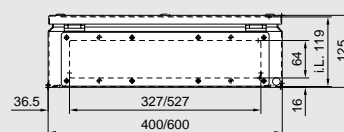
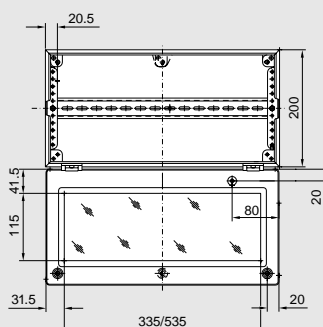


Bus enclosures

- Door hinged at bottom.
- 2 (3) quick-release fasteners for screw-drivers (with BG 1559.210).
- Viewing window, polycarbonate, 4 mm.
- 1 support rail TS 35/7.5.
- 1 gland plate at bottom, holes for PG screwed or metric cable glands in the gland plate or directly in the enclosure available on request.

W	H	D	Model No. BG
400	200	125	1558.210
600			1559.210

To order in RAL 7035, please add extension .510 to the Model No. Delivery times available on request.



i. L. = Clearance width



Bus enclosure

- Door hinged at the bottom.
- 2 (1) cam lock(s) with double-bit insert (BG 1577.600), may be exchanged for 27 mm inserts, type A, page 942 and plastic handles, type B, page 940.
- 1 zinc-plated mounting plate.

W	H	D	Cam lock	Model No. EB
400	300	155	1	1577.600
600			2	1578.600
800			2	1579.600

To order in RAL 7035, please add extension .500 to the Model No.
Delivery times available on request.

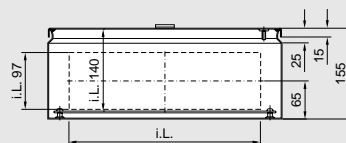
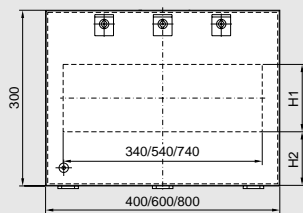
Bus enclosure modifications

Viewing window and gland plates – see table.

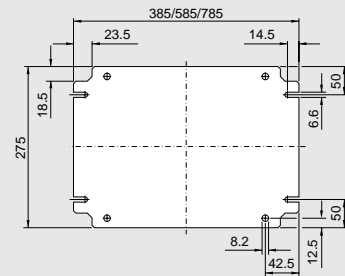
* (Extended delivery times)

Height of viewing window		Gland plate cutout** bottom (c.w.)	Model No. BG	
H1	H2		Based on	Extension
		327 x 97	1577.	
		527 x 97	1578.	
		2 p. 327 x 97	1579.	
115	92	–		.620*
190	42	–		.630*
115	92	●		.650*
190	42	●		.660*
155	92	–		.400*

** Gland plates 14 mm larger all-round



i.L. = Clearance width

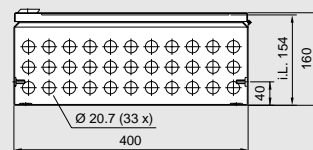
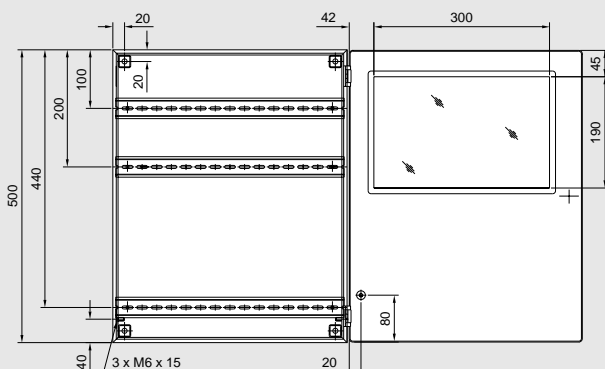


Bus enclosure

- Door with r/h hinge.
- 1 cam lock with 3 mm double-bit insert, may be exchanged for lock inserts, type A, page 942 and plastic handles, type B, page 940.
- Viewing window, polycarbonate, 4 mm.
- 3 support rails TS 35 /7.5.
- Holes for PG or metric screwed cable glands in the base.

Dimensions mm			Number of holes for PG 13.5 or M20	Model No. BG
W	H	D		
400	500	160	33	1611.210

To order in RAL 7035, please add extension .510 to the Model No.
Delivery times available on request.



i.L. = Clearance width

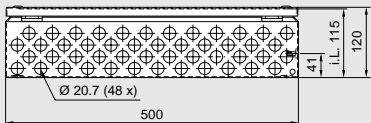
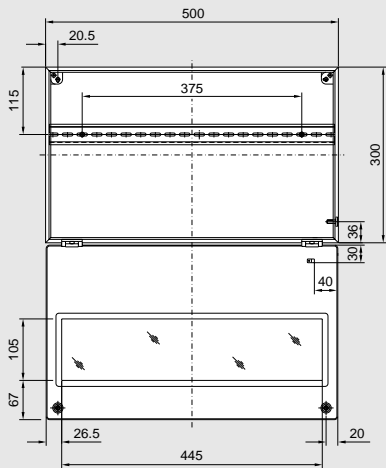


Bus enclosure

- Door hinged at the bottom.
- 2 quick-release fasteners for screw-drivers.
- 1 support rail TS 35 /7.5.
- Viewing window, polycarbonate, 4 mm.
- Holes for PG or metric screwed cable glands in the base.

Dimensions mm			Number of holes for PG 13.5 or M20	Model No. BG
W	H	D		
500	300	120	48	1609.210

To order in RAL 7035, please add extension .510 to the Model No.
Delivery times available on request.



i.L. = Clearance width



Other sizes, hole patterns or manufacturer/user-specific versions available on request.



Other components where the LED or text display needs to be visible can also be accommodated behind the viewing windows.