Rittal – The System.

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VX25 enclosure system acc. Integra standard

For Mercedes-Benz AG

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FRIEDHELM **LOH** GROUP

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VX25 enclosure system
in accordance with the Integra standard
for Mercedes-Benz AG
Specification

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ENCLOSURES POWER DISTRIBUTION CLIMATE CONTROL IT INFRASTRUCTURE SOFTWARE & SERVICES

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VX25 enclosure system in acc. with the Integra standard

Enclosures with front and rear doors

Sturdy symmetrical extrusion frame, consisting of rolled hollow sections with 25 mm DIN pitch pattern of holes, enclosing all profile levels, horizontal and vertical. Profiles with two mounting levels for space-saving interior installation, same chassis for installation on vertical and horizontal enclosure profiles, mounting levels accessible externally, sturdy fastening to the floor thanks to the integrated floor strengthening. Simple and sturdy baying to all sides with a minimum of parts. 3-part gland plate, removable, fitted. Doors with foamed-in seal and locking rod, floor clearance 17 mm.

Material:
- Enclosure frame, roof plate and gland plate made of 1.5 mm sheet steel
- Doors made of 2.0 mm sheet steel

Surface finish:
- Enclosure frame dipcoat-primed, panels dipcoat-primed and structure powder-coated
- Gland plates zinc-plated

Colour:
- RAL 7035, pale grey

Protection category:
- IP 55 in accordance with IEC 60 529

With the following modifications:

Front:
- Door(s) with square tubular door frame (zinc-coated)
- Door(s) with mounted 180° hinges 8618.330
- Door(s) with mounted double-bit lock insert 8618.306
- For 1200 mm wide enclosures, the adjacent door is also secured with a centred swing lever inside, double-secured at the top and bottom.

Rear:
- Door(s) with square tubular door frame (zinc-coated)
- Door(s) with standard 130° hinges
- Door(s) with mounted double-bit lock insert 8618.306
- For 1200 mm wide enclosures, the adjacent door is also secured with a centred swing lever inside, double-secured at the top and bottom.

Roof:
- Roof plate screwed with 4 eyebolts 4568.000

VX25 enclosure system in acc. with the Integra standard

Interior:
- Without mounting plate

Earthing:
- Potential equalisation for roof, side panels and gland plates provided automatically during installation by contact elements (provided no equipment installed)

Width mm	600	1200
Height mm	2000	2000
Depth mm	500	500
Door(s)	1	2
Type	VX 8605 Integra / KA-05	VX 8205 Integra / KA-05
Model No.	**7993.916**	**7993.917**

Other dimensions on request.

VX25 enclosure system in acc. with the Integra standard

Enclosures with plug-in rear panel

Sturdy symmetrical extrusion frame, consisting of rolled hollow sections with 25 mm DIN pitch pattern of holes, enclosing all profile levels, horizontal and vertical. Profiles with two mounting levels for space-saving interior installation, same chassis for installation on vertical and horizontal enclosure profiles, mounting levels accessible externally, sturdy fastening to the floor thanks to the integrated floor strengthening. Simple and sturdy baying to all sides with a minimum of parts. 3-part gland plate, removable, fitted. Door(s) with foamed-in seal and locking rod, floor clearance 17 mm.

Material:
- Enclosure frame, roof plate, rear panel and gland plate made of 1.5 mm sheet steel
- Door(s) made of 2.0 mm sheet steel

Surface finish:
- Enclosure frame dipcoat-primed, panels dipcoat-primed and structure powder-coated
- Gland plates zinc-plated

Colour:
- RAL 7035, pale grey

Protection category:
- IP 55 in accordance with IEC 60 529

With the following modifications:

Front:
- Door(s) with square tubular door frame (zinc-coated)
- Door(s) with mounted 180° hinges 8618.330
- Door(s) with mounted double-bit lock insert 8618.306
- For 1200 mm wide enclosures, the adjacent door is also secured with a centred swing lever inside, double-secured at the top and bottom.

Rear:
- Plug-in rear panel, incl. potential equalisation, locked with 6 cam locks ID No. 372713 (3 right, 3 left), incl. zinc-plated locking nose and double-bit lock insert
- Counterpart of the cam lock in the shape of a zinc-plated bracket on the vertical profile with screwed-on contact
- 2 plug-in bracket left and right in accordance with drawing X150470 and X150469
- 1 contact bracket in accordance with drawing X150476

- The potential equalisation of the plug-in rear panels is performed by self-contacting (in accordance with drawing X 150508)
- 600 mm wide enclosure with one rear panel (in accordance with drawing X 142090)
- 1200 mm wide enclosure with two 600 mm wide rear panels and a vertical cross member (in accordance with drawing X 143547)

Roof:
- Roof plate screwed with 4 eyebolts 4568.000

Interior:
- Without mounting plate

Earthing:
- Potential equalisation for roof, side panels and gland plates provided automatically during installation by contact elements (provided no equipment installed)

Supplied loose:
- One earth strap 400 mm long for each rear panel, $\varnothing$ 4 mm² (one side with cable lug terminal, one side with eyebolt)

Width mm	600	1200
Height mm	2000	2000
Depth mm	500	500
Door(s)	1	2
Type	VX 8605 Integra / KA-07-RW	VX 8205 Integra / KA-07-RW
Model No.	**7993.918**	**7993.919**

Other dimensions on request.

VX25 enclosure system

Accessories

Side panels
Screw-fastened

- Automatic potential equalisation and increased EMC protection provided by enclosure panel fasteners with contact element
- Simple positioning thanks to location aid (one-person assembly)
- Earthing bolts with large, paint-free contact surface for optimum seating

Material:
- Sheet steel 1.5 mm

MDM-ID	Model No.
95092	**8105.245**

Surface finish:
- powder-coated

Colour:
- RAL 7035

Dimension (d x h)
- 500 x 2000 mm

Packs of:
- 1 set = 2 pc(s).

Supply includes:
- Incl. mounting material

Divider panel
For shielding individual enclosure cells. Thanks to the symmetry of the frame system, the divider panel can also be used at the rear. All-round, double fold for stability and to hold the seal.
Mounting is made on the outer mounting level.
This leaves the inner level free for further population.

Material:
- Sheet steel

MDM-ID	Model No.
95066	**8609.204**

Surface finish:
- Zinc-plated

Dimension (d x h)
- 500 x 2000 mm

Packs of:
- 1 pc(s).

Supply includes:
- Incl. mounting material

Comfort handle
Because the folding mechanism of the handle does not take up swing space, the door surface area may be optimally used for installed equipment. Simple assembly, thanks to the snap-mounted handle system.

Material:
- Die-cast zinc

Colour:
- RAL 7035

Design	Packs of	MDM-ID	Model No.
For lock insert	1 pc(s)	95170	**8618.200**
For semi-cylinder	1 pc(s)	95171	**8618.250**

Accessories

LED system light

Optimum illumination in the entire enclosure.

Supply voltage:
- 100 – 240 V AC

Light colour:
- 4000 K (neutral white)

Width:
- 437 mm

Material:
- Plastic
- Aluminium

Colour:
- Housing RAL 7016

Power lm	Socket	Packs of	MDM-ID	Model No.
900	Without	1 pc(s).	88603	**2500.200**
900	Earthing-pin	1 pc(s).	64039	**2500.210**
1200	Without	1 pc(s).	81378	**2500.300**
1200	Earthing-pin	1 pc(s).	82982	**2500.310**

Connection accessories

For LED system light.

Cable colour:
- Orange

Design	Lenght mm	Packs of	MDM-ID	Model No.
Infeed 3-pole	3000	5 pc(s).	64046	**2500.400**
Infeed 3-pole UL	3000	1 pc(s).	-	**2500.500**
Through-wiring	1000	5 pc(s).	77840	**2500.430**
Through-wiring UL	1000	1 pc(s).	-	**2500.530**

Baying bracket

Fast, secure installation from either the front or the side, all-round mounting at the baying point.

Material:
- Sheet steel

Surface finish:
- Zinc-plated

MDM-ID	Model No.
95081	**8617.500**

Packs of:
- 6 pc(s).

Supply includes:
- Incl. mounting material

Accessories

Baying cover, top

A cover with two end caps may additionally be clipped over the seal between the two enclosures. This permanently prevents dirt and liquid from collecting on the baying seal.

Material:
- Sheet steel, painted
- End caps made of plastic

Colour:
- RAL 7035

MDM-ID	Model No.
2168	**8800.855**

Für enclosure depth:
- 500 mm

Packs of:
- 1 pc(s).

Supply includes:
- 2 end caps
- Incl. mounting material

Wiring plan pocket

For mounting on tubular door frames at any height, suitable for 600 mm door width. Clearance inside dimensions (wxhxd): 455 x 210 x 90 mm.

Material:
- Sheet steel, painted

MDM-ID	Model No.
2170	**4116.000**

Colour:
- RAL 7035

Packs of:
- 1 pc(s).

Supply includes:
- Incl. mounting material

Utility lectern

For programming units, etc., prepared for mounting on the tubular door frame or on any sufficiently large surface.
When required for servicing, it folds down quickly with a maximum support area, and after use is stowed between the tubular door frames in a space-saving design.

Material:
- Sheet steel, painted

Colour:
- RAL 7035

Support area (bxd):
- 413 x 400 mm

MDM-ID	Model No.
2121	**4638.600**

Load capacity:
- Max. 30 kg

For door width:
- 600 mm

Packs of:
- 1 pc(s)

Supply includes:
- Incl. mounting material
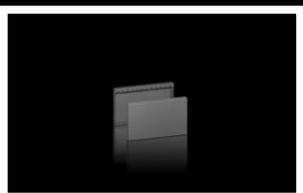
Accessories

Base/plinth corner pieces

With base/plinth trim panels front and rear. High-load capacity base/plinth corner pieces with moulded self-positioning to the enclosure. Height: 200 mm.
Consisting of 4 base/plinth corner pieces, one base/plinth trim panel front, 200 mm high und two base/plinth trim panels rear 100 mm high.

Material:
- Sheet steel, painted

Colour:
- RAL 9005

Supply includes:
- Incl. mounting material

For enclosure width mm	Packs of	MDM-ID	Model No.
600	1 pc(s)	324829	**8660.022**
1200	1 pc(s)	324830	**8660.025**

Side base/plinth trim panels

Used in the depth to close a base/plinth unit at the sides. For enclosure depth 600 mm.

MDM-ID	Model No.
-	**8660.042**

Material:
- Sheet steel, painted

Colour:
- RAL 9005

Packs of:
- 2 pc(s).

Supply includes:
- Incl. mounting material

C rail

In accordance with EN 60 715.
For mounting on the inner mounting level of the enclosure profile.

Material:
- Sheet steel

Surface finish:
- Zinc-plated

For enclosure width mm	Length mm	Packs of	MDM-ID	Model No.
600	555	6 pc(s).	2181	**4944.000**
1200	1155	6 pc(s).	2182	**4947.000**

Bracket/spacer

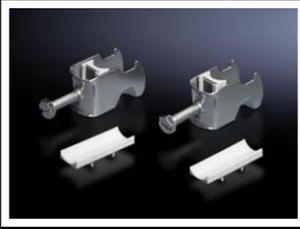For attaching C rails.
Attachment points with M8 thread.

MDM-ID	Model No.
2160	**4199.000**

Material:
- Die-cast zinc

Packs of:
- 6 pc(s).

Supply includes:
- Incl. mounting material

Accessories

Cable clamps

For attaching the cables to the C rails.

For cable diameter:
- 56 – 64 mm

Material:
- Sheet steel, zinc-plated

Note:
- Other sizes for smaller cable diameters
  are also available

MDM-ID	Model No.
2158	**7099.000**

Surface finish:
- Zinc-plated

Packs of:
- 25 pc(s).

Supply includes:
- Incl. plastic insert

Change history

Changes

Version	Changes	Date
4.1	Specification completely rewritten	2021/05/04
4.2	New order numbers for base/plinth system	2023/11/17

Contacts

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