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VX 8807.010

Bayed enclosure system VX25

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FRIEDHELM LOH GROUP

VX 8807.010 - Bayed enclosure system VX25 EMC

The large enclosures in the VX25 series offer a good level of shielding across a broad frequency range, even in the standard version. For increased EMC requirements, Rittal's VX25 enclosure is also available in a high RF attenuation version.

Features

Model No.	VX 8807.010
Design	EMC version
Product description	The large enclosures in the VX25 series offer a good level of shielding across a broad frequency range, even in the standard version. For increased EMC requirements, Rittal’s VX25 enclosure is also available in a high RF attenuation version.
Material	Enclosure frame: Sheet steel with zinc magnesium coating, 1.5 mm Roof: Sheet steel with zinc magnesium coating, 1.5 mm Door: Sheet steel with zinc magnesium coating, 2.0 mm Rear panel: Sheet steel with zinc magnesium coating, 1.5 mm Gland plates: Sheet steel, 1.5 mm Mounting plate: Sheet steel, 3.0 mm
Surface finish	Enclosure frame: Uncoated Door, rear panel and roof: Spray-finished on the outside and paint-free on the inside Gland plates: Zinc-plated Mounting plate: Zinc-plated
Colour	RAL 7035
Supply includes	Enclosure frame Door(s) Door hinged on the right, may be swapped to the left Rear panel Roof plate Gland plates Mounting plate Lock: 3 mm double-bit 2 punched rails 18 x 39 mm
Protection category to IEC 60 529	IP 55

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Features

Protection category NEMA	NEMA 1 NEMA 12
Type rating to UL 50E	Type 1 Type 12
Dimensions	Width: 800 mm Height: 2,000 mm Depth: 600 mm
Number of doors	1
Note	For bayed enclosures, the EMC shielding seal is required
Packs of	1 pc(s).
Net weight	119.05 kg
Gross weight	129.6 kg
PCF per pack (cradle-to-gate)	320.3 kg CO2 eq (Cat B)
Note on PCF category	Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared
Customs tariff number	94032080
ETIM 9	EC000261
ECLASS 8.0	27180101
Product description	VX Baying enclosure system, WHD: 800x2000x600 mm, Sheet steel, EMC version, with mounting plate, single door at the front

Approvals

Approvals	Bureau Veritas DNV UL + C-UL (listed)
Certificates	Surface finish
Explanations	Declaration of conformity Declaration of conformity UK

Tender text

Enclosure (baying system) EMC Enclosure

Housing:
symmetrical profile frame construction, consisting of closed and profiled hollow profile with perforation in the measuring grid of 25 mm. Frame with zinc-magnesium coated sheet steel for high shielding properties.
Frame with integrated blind rivet nuts M6 for fastening of hardware components in accordance with the protection class on the profile.
All profile edges rounded.
Horizontal profiles with additional gutter above
External walls of the housing with circumferential seal.
Electrically conductive special seal.
Circumferentially identical profiles with two mounting levels, accessible from inside and outside, for space-saving and fast interior installation.
Square perforation all around for the use of cage nuts and metric screws up to M8.
Welded-on base frame with integrated base reinforcement for fastening to the base inside of the cabinet, base plate simply with gland plate, removable and exchangeable, mounted.
Can be bayed on all sides.
Loadable up to 15.000 N.
Door:
with foamed PU foam seal, with removable square tube frame with perforation in 25 mm grid and integrated hammer head cut-outs for cable support.
Quadruple locking with rod lock, Double-bit insert to DIN 43668, hinges with screwed-on stops, door stop changeable, with captive hinge pins, door opening angle 130° can be retrofitted to 180° without tools, ground clearance 17 mm.
Rear wall and roof plate:
with foamed PU foam seal. Rear panel and roof plate screw-fixed and removable. Rear wall with

square tube frame for additional reinforcement and
Positioning aid. Roof with roof fixing screws M12.
Mounting plate:
C-edged at the side, depth adjustable in 25 mm grid
via integrated plastic sliders and reusable mounting rails
Including mounting grid for simple
positioning of components.
Flat parts:
Roof, door, rear panel included in delivery.
EMC side panels are available separately as accessories.
Rear panel, roof panel is conductive with the
frame connected (automatic potential equalisation) to
DIN 62 208 and prepared for additional fixing of
earthing straps.
Bottom plate:
one-piece bottom plate with gland plates,
removable and exchangeable, mounted, conductively connected
with the frame connected (automatic potential equalisation)
to DIN 62 208.
QR Code:
Printed QR Code on roof, door, mounting plate, rear panel
and typeplate for clear identification and for
easy access to relevant product information and
documentation, and clear traceability of the
individual parts.
Material:
cabinet frame: 1.5 mm, sheet steel with
zinc-magnesium coating
Rear panel, roof: 1.5 mm sheet steel
with zinc-magnesium coating
Door: 2 mm sheet steel with zinc-magnesium coating
Bottom plate: 1.5 mm sheet steel
Mounting plate: 3 mm sheet steel
Surface finish:
Cabinet frame: uncoated
Door, rear panel and roof: painted on the outside, RAL 7035
and paint-free inside
Gland plates: galvanised
Mounting plate: galvanised
Protection class according to IEC 60 529
(with side mounted panels): IP 55
Protection class to UL 508A (with mounted side panels):

Type 1, 12
Impact protection to IEC 62 262: IK10
Dimensions (W x H x D): 800x2000x600 mm