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SE 5831.680

VX SE free-standing enclosure system

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FRIEDHELM LOH GROUP

SE 5831.680 - VX SE free-standing enclosure system IP 66/NEMA 4

Free-standing sheet steel enclosure with stable enclosure body, two integral mounting levels, screw-fastened rear panel and door. Roof and sides from a single piece with roll-formed frame. Fully compatible with the VX25 baying system. Efficiency is enhanced, as the side panels no longer need to be fitted. Increased protection with IP 66 / NEMA 4.





Features

Model No.	SE 5831.680
Material	Enclosure: Sheet steel 1.5 mm Door: Sheet steel, 2.0 mm Rear panel: Sheet steel, 1.5 mm Base: sheet steel, 1.5 mm Mounting plate: Sheet steel, 3.0 mm
Surface finish	Enclosure, door and rear panel: dipcoat-primed, powder-coated on the outside, textured paint Mounting plate: Zinc-plated Base: Dipcoat-primed and powder-coated, textured paint
Colour	RAL 7035

Features

Supply includes	Enclosure, solid top and sides Door(s) Door hinged on the right, may be swapped to the left Mounting plate Base, gland plate(s) Rear panel, detachable Lock: 3 mm double-bit 2 punched rails 18 x 39 mm
Dimensions	Width: 800 mm Height: 1,800 mm Depth: 400 mm
Dimensions mounting plate (W x H)	699 mm x 1,696 mm
Protection category to IEC 60 529	IP 66
Protection category NEMA	NEMA 4
Type rating to 508A	Type 1 Type 2 Type 3 Type 3R Type 4 Type 12
IK Code	IK10
Number of doors	1
Basic material	Sheet steel
Packs of	1 pc(s).
Net weight	121.1 kg
Gross weight	124.8 kg
PCF per pack (cradle-to-gate)	359.73 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

Features

ECLASS 8.0	27180101
Product description	VX SE Free-standing enclosure system, WHD: 800x1800x400 mm, Sheet steel, with mounting plate, single door at the front

Approvals

Approvals	UL + C-UL (listed)
Certificates	Surface finish Protection category
Explanations	Declaration of conformity Declaration of conformity UK PCF-declaration

Tender text

Schaltschrank (Freestanding-Enclosure VX SE IP 66/NEMA 4)

Control cabinet for individual installation in
self-supporting integral construction,
consisting of basic body, door,
rear panel and closed gland plate. Basic corpus made of
profiled side panels and roof. Housing profile with
system perforation in 25 mm DIN dimensional grid. Vertical
profiles, as well as front and rear roof frame profile
with two mounting levels for space-saving
interior installation. Rear panel screw-fixed,
Welded-in base assembly, consisting of floor frame
and bottom plate with screw-fixed gland plates,
Right hinged door.
Door:
with horizontal double foamed seal, with
removable square tube frame with perforation in
DIN dimension grid of 25 mm, locking-rod quadruple

locked, double-bit insert according to DIN 43668,
hinges right hinged, changeable, with
captive hinge pins, door opening angle 130°
according to VDI, retrofittable to 180°, automatic
potential equalization to the housing body.
Bottom plate:
One-piece base plate with two gland plates,
removable and exchangeable, mounted,
automatic potential equalization to the housing body.
Rear panel:
with foamed seal, screwed, with square tube frame
for additional reinforcement, automatic
potential equalization to the housing body.
Mounting plate:
C-edged side, depth-adjustable in
25 mm grid via integrated plastic sliding pieces
and reusable mounting rails.
Including mounting grid for simple
positioning of components.
Material:
Housing corpus, rear panel, roof, base: 1.5 mm sheet steel
Door: 2 mm sheet steel
Mounting plate: 3 mm sheet steel
Surface finish:
Triple treatment of the surface for corrosion protection
and resistance to mineral oils, lubricants,
Processing emulsions and solvents: nanoceramics
coating, electrophoresis dip primer,
exterior surfaces powder-coated in RAL 7035 texture.
Mounting plate: galvanized
Floor: dip-primed and powder-coated, textured paint
Protection class according to IEC 60 529: IP 66
Protection class according to UL 508A: Type 4, 3R
Impact protection according to IEC 62 262: IK10
Dimensions (W x H x D): 800x1800x400 mm
Abmessungen (B x H x T): 800x1800x400 mm

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