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**SE 5834.680**

**VX SE free-standing enclosure  
system**

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FRIEDHELM LOH GROUP

# SE 5834.680 - 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 5834.680
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: 2,000 mm Depth: 600 mm
Dimensions mounting plate (W x H)	699 mm x 1,896 mm
Protection category to IEC 60 529	IP 66
Protection category NEMA	NEMA 4
Type rating to UL 50E	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	148
Gross weight	152
PCF per pack (cradle-to-gate)	579.1 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
EAN	4028177959316
ETIM 9	EC000261
ECLASS 8.0	27180101

# 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): 800x2000x600 mm