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## VX 5326.131

## Network/server rack VX IT

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# VX 5326.131 - Network/server rack VX IT with glazed door, IP 55, with 482.6 mm (19") mounting angles, standard

VX IT network/server enclosure, closed, for direct climate control tailored to the specific enclosure. 482.6 mm (19") interior installation with 482.6 mm (19") mounting angles in the standard version, available in a range of size variants and with a protection category of up to IP 55.



## Features

|                |   |
|----------------|---|
| Model No.      | VX 5326.131   |
| Material       | Sheet steel<br>Aluminium<br>Glazed door: Single-pane safety glass, 3 mm<br>Front door: Aluminium, 1.25 mm<br>Rear door: Sheet steel, 1.5 mm                                     |
| Surface finish | Enclosure frame: Dipcoat-primed<br>Interior installation: Spray-finished<br>Rear door and roof: Dipcoat-primed, powder-coated<br>Front door: Aluminium, anodised/spray-finished |
| General colour | RAL 7035  |

# Features

|   |   |
|---|---|
| Colour  | Enclosure frame, rear door and roof: RAL 7035<br>Front door: Vertical sections, silver coloured and horizontal sections, RAL 9005<br>Interior installation: RAL 9005<br>Handle and hinges: RAL 9005   |
| Supply includes   | VX enclosure frame with doors and roof plate<br>Glazed aluminium door at the front, 180° hinges<br>Sheet steel rear door, solid, one-piece, 130° hinges<br>Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E<br>Mounting angles, 482.6 mm (19")<br>Roof plate, one-piece, solid<br>Base tray with gland plate, multi-piece, solid<br>Baying seal and sealing kit for gland plates (supplied loose)<br>12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose)<br>25 multi-tooth screws, conductive (supplied loose)<br>IPPC pallet |
| Dimensions  | Width: 600 mm<br>Height: 1,200 mm<br>Depth: 600 mm  |
| Units   | 24 U  |
| Units   | 24 U  |
| Free mounting space to the 482.6 mm (19") level, front/rear | 87 mm / 435 mm  |
| Mounting position of the 482.6 mm (19") level               | front   |
| 482.6 mm (19") attachment                                   | with mounting bracket screw-fastened to the frame at the top and bottom   |
| Design  | Standard  |
| Roof design   | one-piece, solid  |
| Rear door design  | Sheet steel door, solid, one-piece, 130° hinges   |
| Front door design   | Glazed aluminium door, solid, one-piece, 180° hinges  |
| Mounting angle design                                       | 482.6 mm (19") mounting angles, standard in the VX IT   |
| Base design   | Base tray with gland plate, multi-piece, solid  |

## Features

|  |  |
|--|--|
| 482.6 mm (19") level(s) version                      | front  |
| Mounting angles position                             | 482.6 mm (19") level, front  |
| Load capacity  | 7500 N   |
| Max. load capacity (static) per enclosure to UL 2416 | 6000 N   |
| Protection category to IEC 60 529                    | IP 55 only in conjunction with baying seal or screw-fastened side panels                                       |
| IK Code  | IK08   |
| Note   | Depending on how and where it is sited, the door opening angle may vary for selected applications              |
| Basic material                                       | Sheet steel  |
| Packs of   | 1 pc(s).   |
| Net weight   | 56   |
| Gross weight   | 57.9   |
| PCF per pack (cradle-to-gate)                        | 142.7 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  | 4028177945456  |
| ETIM 9   | EC002499   |
| ECLASS 8.0   | 27180207   |

## Approvals

|              |   |
|--------------|---|
| Approvals    | UL + C-UL (listed)  |
| Certificates | Negative Certificate<br>Surface finish<br>Protection category |

# Approvals

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Explanations

Manufacturer's declaration

Declaration of conformity

Declaration of conformity UK

# Tender text

VX IT network, server enclosure, "standard" variant,  
IT rack with high protection category, installation height 24 U, glazed  
door at the front,  
one-piece, solid sheet steel door at the rear - protection category (IP  
55)

Rack frame:

Pre-configured IT rack, comprising a torsionally rigid, welded and full  
symmetrical frame of rolled, 9-fold closed hollow profile, with punchin  
in a 25 mm pitch pattern.

Frame with integrated M6 blind rivet nuts, to enable fittings to be  
mounted without impairing the degree of protection. All profile edges  
are chamfered. Horizontal sections with integrated channel above the PU  
foam seal as protection for the seal.

Same profile on all sides, with two mounting levels accessible from  
inside and outside, for fast and space-saving interior installation.

Square holes on all sides to enable the use of cage nuts and metric  
screws up to M8.

Base:

Welded base frame with integrated reinforcement to enable direct boltin  
to the floor from inside the enclosure. Multi-part, solid gland plate,  
removable and exchangeable, fitted. Sealing kit for gland plates  
supplied loose, baying seal (IP 55) is part of baying kits.

Baying possible on all sides. Static load capacity up to 7,500 N, and u  
to 6,000 N acc. to UL 2416.

Front and rear door:

Glazed aluminium front door (IP 55) with 3 mm single-pane safety glass  
(ESG) held in a frame of aluminium sections, vertical sections  
silver-grey anodised, horizontal sections painted, RAL 9005.

Door with foamed-in seal, three hinges and two-point locking rod.

Door hinge can be swapped from right to left, hinge pins with integrate  
door opening angle 240° for stand-alone enclosures, 105° with baying.

One-piece, solid sheet steel rear door (IP 55), foamed-in PU seal.

Rear door with removable tubular door frame with integrated punching in  
a 25 mm pitch pattern and integrated hammer-head cut-outs for cable  
clamping, with four hinges and central four-point locking rod.

Door hinge can be swapped from right to left, hinge pins with integrate  
door opening angle 240° for stand-alone enclosures, 134° with baying.

Both doors with comfort handle for semi-cylinder (30/10) mm, with  
security lock 3524 E.

#### Roof plate:

One-part, solid screw-fastened roof plate with all-round foamed-in PU seal.

To support passive ventilation, the roof plate can be raised on spacer pillars, if required.

#### Mounting levels:

Enclosure pre-configured with one 482.6 mm (19") mounting level at the front.

The total static load capacity when using only one mounting level is 7,500 N.

This capacity can be increased by realising additional measures to distribute the load, e.g. slide rails. If the configuration is expanded with a second mounting level, the load capacity per rack can be increased to up to 15,000 N.

Expansion accessories and further components to enable configuration with a second mounting level, such as slide rails etc., are offered via the range of accessories.

Dynamic load capacity (moving on transport module) up to 5,000 N.

Mounting level comprising universal mounting angles for server, network and electronics applications, front and rear, depth-variable, 12.5 mm pitch pattern, screw-fastened to the enclosure frame via mounting brackets at top and bottom.

Mounting angles at front, material thickness 2.0 mm, with additional pitch pattern in accordance with the standard EIA 310 E. All height units are marked on the mounting angles and numbered in opposite directions.

Front mounting angles prepared for tool-free mounting of cable routing aids and organisation of structured cabling with maximum packing density.

#### Supply includes:

Fixing accessories for 19" components comprising twelve 19" fasteners, U, contacting, and 25 hexagon socket screws, conductive, with washers for thread size M5.

#### Potential equalisation:

All panel parts with automatic potential equalisation or prepared for the attachment of earthing straps.

482.6 mm (19") assembly parts are supplied loose.

A potential equalisation kit is available as an accessory.

#### Side panels:

Side panels are not included in the scope of supply.

One-part screw-fastened variant (IP 55) available via the range of

accessories.

QR code:

Printed QR codes on all panel parts, the roof, doors and rating plate provide for the unambiguous marking of individual components, simplify access to relevant product information and documentation, and ensure the full traceability of single parts.

Material: Sheet steel, aluminium

Enclosure frame, roof: Sheet steel 1.5 mm

Rear door: Sheet steel 2.0 mm

Front door: Aluminium 1.5 mm, single-pane safety glass (ESG) 3.0 mm

482.6 mm (19") mounting angles: Sheet steel 2.0 mm

Surface finish (sheet steel):

Triple surface treatment for corrosion protection and resistance to mineral oils, lubricants, machining emulsions and solvents: Nanoceramic coating, electrophoretic dipcoat priming, textured powder coating in RAL 7035/9005.

Protection classes:

Protection category according to IEC 60 529 (with mounted side panels or in a bayed suite with seals):

IP 55

Protection category according to NEMA (with mounted side panels or in a bayed suite with seals):

TYPE12

Surface finish:

Panel parts, doors, interior installation, painted in RAL 7035/9005

Aluminium front door, vertical, aluminium, silver-grey anodised

Aluminium front door, horizontal, aluminium, painted in RAL 9005

Approvals:

UL2416 NITW (NFPA70, NFPA75)

IEC/EN 60950 (CB Certificate and Report)

IEC/EN 62368 (CB Certificate and Report)

Dimensions (WHD): 600x1200x600 mm

Earthing measures in accordance with the risk assessment according to DIN EN 62368-1 are not required for VX IT cabinets, therefore an earthing accessory is not included in the scope of delivery. For increased EMC requirements a potential equalization set can be purchased via the accessories programme. (5302.027 and 5302.028)

Model No: VX IT 5326.131

Manufacturer: Rittal GmbH & Co. KG