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## VX 5309.136

## Network/server rack VX IT

State: 30/09/2022 (Source: [rittal.com/uk-en](http://rittal.com/uk-en))

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# VX 5309.136 - 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 5309.136
Material	Sheet steel Aluminium Glazed door: Single-pane safety glass, 3 mm
Surface finish	Enclosure frame: Dipcoat-primed Interior installation: Spray-finished Rear door and roof: Dipcoat-primed, powder-coated Front door: Aluminium, anodised/spray-finished
Colour	Enclosure frame, rear door and roof: RAL 7035 Front door: Vertical sections, silver coloured and horizontal sections, RAL 9005 Interior installation: RAL 9005 Handle and hinges: RAL 9005
Supply includes	VX enclosure frame with doors and roof plate Glazed aluminium door at the front, 180° hinges Sheet steel rear door, solid, one-piece, 130° hinges Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E Mounting angles, 482.6 mm (19") Roof plate, one-piece, solid Base tray with gland plate, multi-piece, solid Baying seal and sealing kit for gland plates (supplied loose) 12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose) 25 multi-tooth screws, conductive (supplied loose) IPPC pallet

# Features

Dimensions	Width: 800 mm Height: 2,000 mm Depth: 1,000 mm
Units	42 U
Free mounting space to the 482.6 mm (19") level, front/rear	87 mm / 193 mm
Mounting position of the 482.6 mm (19") level	front and rear
Distance between levels as delivered	720 mm
482.6 mm (19") attachment	on depth stays, screw-fastened at the top and bottom
Design	Standard
Construction roof	one-piece, solid
Construction mounting angles	482.6 mm (19") mounting angles, standard
Construction base	Base tray with gland plate, multi-piece, solid
482.6 mm (19") level(s) version	front and rear
Load capacity	15,000 N
Max. load capacity (static) per enclosure to UL 2416	12,000 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).
Weight/pack	125 kg
Copper weight (kg per piece)	0
EAN	4028177945104
ETIM 7.0	EC002499

# Features

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ECLASS 8.0

27180207

# Approvals

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Approvals

GOST  
UL + C-UL (listed)

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Certificates

Negative Certificate  
Surface finish  
Protection category

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Explanations

Declaration of conformity  
Declaration of conformity UK

# Tender text

VX IT network, server enclosure, "standard" variant,  
IT rack with high protection category, installation height 42 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 punching  
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 bolting  
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 15,000 N, and  
up to 12,000 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 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, 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, 160° 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 two 482.6 mm (19") mounting levels, front and rear.

The total static load capacity of both mounting levels is 15,000 N.

Dynamic load capacity (moving on transport module) up to 10,000 N.

Mounting level comprising universal mounting angles for server, network and electronics applications, front and rear, depth-variable, 15 mm pitch pattern,

screw-fastened to the enclosure frame via depth stays at top and bottom

Imperial mounting levels can be positioned either symmetrically or

asymmetrically with an offset to each other. Alternative mounting

dimensions for 21", 23" or 24" components can also be realised.

Mounting angles front and rear, 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. Height unit markings on both mounting levels can be read

from both inside and outside for simplified component installation.

Front mounting angles prepared for tool-free mounting of cable routing

aids and organisation of structured cabling with maximum packing

density.

Rear mounting angles prepared on both sides for mounting of a Power

Distribution Unit (PDU) in 1 U form factor for electrical power

distribution in the enclosure, avoids occupying component installation

space thanks to space-saving side mounting in the zero-U space between

mounting level and side panel.

#### 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) as well as horizontally divided

and vertically divided, hinged variant (IP 20) 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 RA 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): 800x2000x1000 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 5309.136

Manufacturer: Rittal GmbH & Co. KG