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DK 5531.151

Network/server enclosure TS IT

State: 02.02.2026 (Source: rittal.com/ua-en)

ENCLOSURES POWER DISTRIBUTION CLIMATE CONTROL IT INFRASTRUCTURE SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

DK 5531.151 - Network/server enclosure TS IT with glazed door, pre-configured, with 482.6 mm (19") mounting frame

TS IT, sealed, for direct enclosure-specific climate control. Supplied pre-assembled with a selection of practical equipment. 482.6 mm (19") interior installation with 482.6 mm (19") mounting frame for a load capacity of up to 1,500 kg, available in a range of size variants.

Features

Model No.	DK 5531.151
Material	Sheet steel Aluminium Base/plinth corner piece: Sheet steel Base/plinth trim panel front/rear: Sheet steel Corner and baying cover: Plastic Glazed door: Single-pane safety glass, 3 mm
Surface finish	Enclosure frame: Dipcoat-primed Interior installation: Dipcoat-primed Doors, roof and side panels: Dipcoat-primed and powder-coated
General colour	RAL 7035
Colour	Enclosure frame and panels: RAL 7035 Interior installation, base/plinth: RAL 9005

Features

Supply includes	Enclosure frame TS 8 with doors, roof plate, base/plinth and side panels Glazed aluminium door at the front, 180° hinges Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E Two 482.6 mm (19") mounting frames, front and rear, depth-variable Spacers, height 50 mm, to raise a cover plate above the fan cut-out in the roof plate, for passive cooling (supplied loose). Not required for variants without a cut-out. Connection accessories for potential equalisation incl. central earthing point, pre-configured 12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose) 50 multi-tooth screws, conductive (supplied loose) Base mount Base module mounted at front as infill panel Base/plinth system VX, 100 mm, vented Base/plinth corner pieces and trim panels, sides, screw-fastened Base/plinth trim panels, front and rear plus corner and baying covers supplied loose Side panels, one-piece, lockable 4 levelling feet, M12, including base/plinth adaptor (supplied loose) 4 cable clamp rails (T-head) for outer mounting level, to fit enclosure depth (supplied loose) 10 cable shunting rings, metal, 125 x 65 mm (supplied loose) IPPC pallet Roof plate, multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate Sheet steel rear door, solid, vertically divided, 180° hinges
Dimensions	Width: 600 mm Height: 2,200 mm Depth: 800 mm
Units	47 U
Units	47 U
Height including base/plinth	2,300 mm
Free mounting space to the 482.6 mm (19") level, front/rear	84 mm / 168 mm
Distance between levels as delivered	545 mm

Features

482.6 mm (19") level(s) version	Mounting frame, 482.6 mm (19")
Load capacity	15,000 N
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	145.2
Gross weight	152.8
EAN	4028177706576
E-Number Sweden	E7239904
ETIM 9	EC002499
ECLASS 8.0	27180207

Approvals

Approvals	UL + C-UL (listed)
Certificates	Surface finish
Explanations	Declaration of conformity

Tender text

TS IT 5531.151
TS IT network server enclosure with glazed door used
for rack climate control, with 482.6 mm (19") mounting
frame, base/plinth and side panels, pre-configured
Pre-configured IT rack for stand-alone siting with
side panels and 100 mm VX base/plinth system vented at the
front and rear.
Installation height 47 U, glazed door at the front,
two-part solid sheet steel door at the rear.
Pre-configured IT rack consisting of torsionally
stiff, welded symmetrical frame of rolled 16-fold
vertical sections connected with two horizontal frames
of rolled 9-fold sections with integral channel for
accommodating the side panel seal and protecting it
against possible effect of aggressive media.
All frame sections, with integral system punchings on
a 25 mm DIN pitch pattern, allow convenient interior
installation by simple fitting and securing of
equipment. All sections have chamfered edges. The
vertical frame sections have two depth/width -
recessed mounting levels each, which can individually
be used for flexible attachment of the installation
components.
Enclosures are bayable on all sides: on the left,
right, front and rear, at the top or round corners.
Basic enclosure already equipped with pre-assembled, 100 mm high
base/plinth corner pieces of the VX base/plinth system.
These and the closed side trim panels are bolted together.
Ventilated VX panels for front and rear as well as corner and bay cover
are included in the scope of delivery for retrofitting without tools.
This enables simplified transport to the place of use by
Lift trucks or forklift trucks.
Glazed front door made from 3 mm single-pane safety
glass (ESG), in a frame of aluminium sections, with
foamed-in seal, four-point locking rod, comfort handle
for semi-cylinder (30/10) mm, with security lock 3524
E. Four hinges, with captive hinge pins, hinge opening
angle with stand-alone siting 180°, door hinge may be
swapped to opposite side without dismantling locking

rods.
Sheet steel rear door, vertically divided, for space-saving installation of the enclosures and easy access to the components. Doors with foamed-in seal. Main door with four-point locking rod, comfort handle for semi-cylinder (30/10) mm, with security lock 3524 E. Adjacent door with additional internal swing lever handle and two-point locking rod. Main and adjacent door with four hinges, hinges with captive hinge pins, door opening angle with stand-alone siting on both sides 180°.
Multi-piece roof plate for side cable entry via brush strips across the entire enclosure depth. Roof plate for retrofitting, removable despite already made cable routing. Cut-out for accommodating a fan module already integrated and closed by a cover. For supporting passive ventilation it is possible to raise the cover by means of spacers.
One-piece, lockable side panels with security lock 3524 E included with the supply. Optional internal latch available from the accessories range.
Base frame already equipped with installation rails for accommodating gland plates, pre-configured with one-part solid base module as infill panel in the foremost position. Further base modules or function units may be retrofitted from the range of accessories.
Pre-configured with two 482.6 mm (19") mounting frames, front and rear.
The static total load capacity of both mounting levels is 15,000 N.
Mounting frame consisting of universal mounting angles for server, network and electronic applications welded to a torsionally stiff all-round frame using horizontal connection sections. Depth-variable, screw-fastened via the slot attachment with the horizontal frame of the enclosure rack.
The attachment of the mounting angles is flexible, toolless, via quick release fastener, with integral automatic potential equalisation, or optional screw fastening, with floating contact via earth straps.
Mounting frames, front and rear, including additional

pitch pattern of holes (U centre attachment) according to standard EIA 310 E. All height units are labelled and numbered in the opposite direction on the front and rear mounting level. U labelling of mounting levels can be read from the outside for easy assembly.
Mounting angles of front mounting frame, prepared for toolless accommodation of cable routing aids and organisation of structured cabling in maximum packaging density or for equipment with a sensor strip for automatic identification of the installed components by means of Radio Frequency Identification (RFID).
Mounting angles of rear mounting frame, prepared for accommodation of a Power Distribution Unit (PDU) in 1 U form factor on both sides for enclosure electrical power distribution, without waste of installation volume thanks to space-saving side mounting between mounting level and side panel in the Zero-U space.
Supply includes field-tested mounting assembly parts such as spacers for optional raising of the cover, levelling feet with adaptor sleeves for base/plinth assembly, 4 cable clamp rails for mounting on the outer mounting level, 10 metal cable shunting rings, assembly parts for 482.6 mm (19") installation components consisting of 50 multi-tooth screws, captive nuts with contacts and washers of thread size M5.
Enclosure design with pre-assembled central earthing point and tested potential equalisation of all components to EN 60950.
Material: „Sheet steel, aluminium
Base/plinth corner piece: Sheet steel
Base/plinth trim panel front/rear: Sheet steel
Corner and baying cover: Plastic
Surface finish: Panels, doors, RAL 7035, interior installation, base/plinth RAL 9005
Approvals: UL, cUL
Dimensions (WxHxD): 600x2200+100x800 mm
Model No.: TS IT 5531.151
Manufacturer: Rittal GmbH & Co. KG