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## DK 5504.181

## Network/server enclosure TS IT

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# DK 5504.181 - Network/server enclosure TS IT with vented door, with 482.6 mm (19") mounting frame

TS IT, vented, for room climate control 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 5504.181  |
| Material        | Sheet steel<br>Aluminium   |
| Surface finish  | Enclosure frame: Dipcoat-primed<br>Interior installation: Dipcoat-primed<br>Doors and roof: Dipcoat-primed, powder-coated  |
| General colour  | RAL 7035   |
| Colour          | Enclosure frame and panels: RAL 7035<br>Interior installation, vent grille at the front: RAL 9005  |
| Supply includes | TS 8 enclosure frame with doors and roof plate<br>Aluminium/sheet steel door at the front, vented (vented surface area approx. 85% perforated), 180° hinges<br>Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E<br>Two 482.6 mm (19") mounting frames, front and rear, depth-variable<br>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.<br>Connection accessories for potential equalisation with earthing point (supplied loose)<br>12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose)<br>50 multi-tooth screws, conductive (supplied loose)<br>IPPC pallet<br>Roof plate, multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate<br>Sheet steel rear door, vented (vented surface area approx. 85% perforated), 180° hinges |

# Features

|   |   |
|---|---|
| Dimensions  | Width: 800 mm<br>Height: 1,200 mm<br>Depth: 1,000 mm  |
| Units   | 24 U  |
| Units   | 24 U  |
| Free mounting space to the 482.6 mm (19") level, front/rear | 87 mm / 165 mm  |
| Distance between levels as delivered                        | 745 mm  |
| Design doors  | Vented  |
| 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  | Aluminium   |
| Packs of  | 1 pc(s).  |
| Net weight  | 80 kg   |
| Gross weight  | 85 kg   |
| Customs tariff number                                       | 94032080  |
| ETIM 9  | EC002499  |
| ECLASS 8.0  | 27180207  |
| Product description   | TS IT, 19" mounting frame, vented, WHD: 800 x 1200 x 1000 mm, 24 U                                |

# Approvals

|              |                    |
|--------------|--------------------|
| Approvals    | UL + C-UL (listed) |
| Certificates | Surface finish     |

# Approvals

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Explanations

Declaration of conformity

# Tender text

TS IT 5504.181

TS IT network server rack for room climate control  
IT rack for room climate control. Installation height  
24 U, vented aluminium/sheet steel front door, vented  
sheet steel door at the rear, multi-piece roof plate  
for side cable entry on both sides, open base frame,  
without side panels. Pre-configured with two 482.6 mm  
(19") mounting frames, front and rear.

482.6 mm (19") assembly parts and complete earthing  
kit supplied loose.

Side panels, one-piece screw-fastened, base mount,  
gland plates available from the accessories range.

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 adjacent 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.

Aluminium/sheet steel front door with a specific  
honeycomb perforation, vented surface area 85%  
perforated,

in a frame of aluminium sections, with foamed-in seal,  
two-point locking rod, comfort handle for  
semi-cylinder (30/10) mm, with security lock 3524. Two  
hinges, with captive hinge pins, door opening angle  
with stand-alone siting 180°, door hinge may be  
swapped to opposite side without dismantling locking  
rods.

Sheet steel rear door, vented. Specific honeycomb

perforation, vented surface area 85% perforated. Door with foamed-in seal, two-point locking rod, comfort handle for semi-cylinder (30/10) mm, with security lock 3524 E. Two hinges, with captive hinge pins, door opening angle with stand-alone sitting 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.

Side panels are not included with the supply.

One-piece, screw-fastened side panels are available from the accessories range.

Open base frame, gland plates, function units may be retrofitted from the range of accessories. All screw-fastened panels have automatic potential equalisation and are prepared for attachment of earthing straps.

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.

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.

Material: Sheet steel, aluminium

Surface finish: Panels, doors, interior installation, RAL 7035/9005

Approvals: UL, cUL

Dimensions (WxHxD): 800x1200x1000 mm

Model No.: TS IT 5504.181

Manufacturer: Rittal GmbH & Co. KG