

Data Sheet for Article: DSI428010-

Network Enclosure

Freestand DSI, W800xH1970xD1000, 19", 42U , IP54



SCHRACK-Info

Application

19"-Networking enclosure with higher protection IP54. Special construction for rough, dusty environments. Frequently used, if installed equipment is worth to be especially protected and/or equipment needs special protection due to environmental conditions (dust, humidity). Optional possibility to install a cooling unit on the roof.

TECHNICAL DATA

- Steel Sheet
- Height: 1970 mm
- Width: 800 mm
- Depth: 1000 mm
- Colour:
 - Door, rear- and sidepanels: RAL7035 Light grey
 - Frame: RAL5005 Blue
- Maximum load: 400kg
- Degree of protection: IP 54
 - All doors, rear- and sidepanels are sealed, which ensures protection against dust and humidity.
 - Enclosure is without perforation
- Cooling:

- Passive cooling by sharing heat with environment via chassis.
- Active cooling with optional DLT1000x roof fan-units with 2, 4 or 6 fans. The IP5x adapter DLTIA81 and the IP5x cover DLTIC001 are also required. The use of a base is recommended when using fan-units to enable air intake.
- Active cooling by optional roof cooling-units DLT1. An Installationkit with deflector is needed for installation, which can be in width- or depth direction. Caution: Not every combination is possible. A list of available installationskit, you can find at the end of the datasheet.
- Rear- and sidepanels: Fixed to frame by screws. Demountable.
- Cable Entry: 300x100mm in floor and roof. Covered by a sealed and screwed blanking panel. Method of cable leading inside the enclosure must correspond to requested IP protection level against dust and humidity.
- Earthing:
 - M8-Earthing point plus 19" Earthingset in the rear of the cabinet.
 - FastOn-Earthingconnections to all dismountable part pre-installed.
- Front-Glasdoor with 4mm safety glass, RAL 7035. Three-point-locking with swinghandle and halfcylinder. Halfcylinder can be changed. Door can be opened 180°. Hinged right. Door cannot be changed to left hinging.
- Available upon request:
 - Enclosure with Frontdoor Glass, hinged left
 - Enclosure with Frontdoor Fullmetall, hinged right or left
 - Enclosure with Reardoor Glass, hinged right or left
 - Enclosure with Reardoor Fullmetall, hinged right or left
- 19" rails (4 pcs.) galvanised, continuously depthadjustable. Numbering of Heights-Units (U) by laser for easy readability.
- In 800mm wide DSI enclosures, you can choose to adjust the 19" rails to a width of 21".
- In 900 and 1.000 mm deep DSI enclosures there is an additional pair of vertical rails installed in half depth. This makes installation of high depth accessories together with standard accessories at the same time possible.
- Space between front vertical 19" rail and door glass at max. spacing:
 - W600: 35 mm
 - W800: 50 mm
- Space between rear vertical 19" rail and rear panel at max. spacing:
 - W600: 37 mm
 - W800: 55 mm
- Maximum distance between verticals rails (19 rails) in free-standing cabinets:
 - W600 x D600: 510 mm
 - W600 x D800: 710 mm
 - W600 x D1000: 910 mm
- W800 x D600: 470 mm
- W800 x D800: 670 mm
- W800 x D1000: 870 mm
- Maximum usable depth in free-standing cabinets when installed e.g on shelves:
 - D600: 575 mm
 - D800: 775 mm
 - D1000: 975 mm
- Spacing between vertical 19" rails: 451 mm
- Units of measurement:
 - Units (Height Unit): 1 U = 44,45 mm
 - Inch: 1" = 25,4 mm
 - Unit (Height Unit): 1 U = 1,75"

- Including assembly materials:
 - 16 x Cage nuts, bolts and washers M6.
 - 4 x Levelling feet.
- Wide range of available accessories (base, fan-units, cable entry panels, fixed shelves, patch panels, cable management, PDUs, door, etc.).
- Enclosure is delivered fully-assembled on a disposable pallet.

Technical Data

Net width (mm)	800,00
Net height (mm)	1.970,00
Netto depth (mm)	1.000,00
Net weight (kg)	128,00
Min. ambient temperature (°C)	0
Max. ambient temperature (°C)	40
Suitable for HU	42U-1970mm
Colour	RAL 7035 (Light grey)

Article Table

DESCRIPTION	Order No.
Network Enclosure Freestanding, W800xH1970xD1000, 19", 42U, IP54	DSI428010
Optional Accessories	
Adapter for assembling for ventilation unit w. filter IP5X in DSI 800x1000 and 800x1200 enclosures. RAL7035 light grey. The DLTIC001 cover is also required.	DLTIA81
IP5x cover for installing DLT roof fan-units in DSI enclosures. RAL7035 light grey. The matching DLTIAxx mounting adapter is also required.	DLTIC001
Roof fan-unit with 4 fans and thermostat for DSI enclosures IP5x, RAL7035 Light grey. Additionally the DLTIC0001 cover and the matching DLTIAxx adapter are also required.	DLTI0004
Roof fan-unit with 2 fans and thermostat for DSI enclosures IP5x, RAL7035 Light grey. Additionally the DLTIC0001 cover and the matching DLTIAxx adapter are also required.	DLTI0002
Roof fan-unit with 6 fans and thermostat for DSI enclosures IP5x, RAL7035 Light grey. Additionally the DLTIC0001 cover and the matching DLTIAxx adapter are also required.	DLTI0006
Base side-profile-pair, D=1000,H=120 f.DS/DSZ/DSS-encl.R7035	DSOT1210
Base front-/rear-cover perforated+filter, W=800 f.DS/DSZ/DSS Standschrank, RAL7035	DSOF1283
Flange plate for cable entry for DSI-Enclosure RAL7035 Light grey. Spare part: One piece is included in the DSI delivery	DLTIF001
19" Cable management panel, 5 metal rings 80x40mm, 1U, RAL7035	DBC14805

Article Table

DESCRIPTION	Order No.
Optional Accessories	
19" Cable management panel, 5 big rings 40x83mm, 1U, RAL7035	DBK14805
19" Shelf Fix, up to 80kg Load, D=450mm, 1U, RAL7035	DFS14845-C
19" PDU, 9xSchuko, Profile ALU 1U, 3m-cable, RAL7035	IU070114-3
19" PDU, 7xSchuko with overvoltage protection, PVC, 1.25U 2m-connector cable, RAL7035	IU070113
19" PDU, 9x Schuko, switch, 1U, 2m-cable, Black, ALU ALU Profil	Q7070114-A
19" PDU, 7x Schuko, Switch, Overvoltage protection, 1U 2m-cable, Black, ALU	Q7070113-A
19" Mounting set M6, 50 pcs. each: screw, nut, washer	DSSRA050
19" mounting plate, 14U, sheet steel, perforated including screws and cage nuts	DMP1914
Light unit LED, magnet, 230VAC, with door switch sensor automatically in operation as soon as the door is opened, external PSU	DTLIGHT01
Switch 24xRJ45 10/100/1000, Silent, w/o fan, internal PSU Metal-Chassis, 19"	QLGSW2457
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down	HSER0240GS