

## DATA SHEET: 19" NETWORKING ENCLOSURE IP54 DSI



### 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: 1.970 mm (42U), optional: 1.300 mm (27U), 1.525 mm (32U), 1.750 mm (37U), 2.105 mm (45U)
- Width: 600, 800 mm
- Depth: 600, 800, 1.000 mm
- Colour:
  - Door, rear- and sidepanels: light grey, RAL 7035
  - Frame: blue, RAL 5005
- Maximum load: 400 kg
- 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 by optional roof cooling-units DLTI. 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 installationkits, 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 parts pre-installed.
- Front-Glasdoor with 4mm safety glass, RAL7035. 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.

## TECHNICAL DATA – Continued

- 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
- 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 vertical 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:
 

Unit (Height Unit):	1U = 44,45mm
Inch:	1" = 25,4mm
Unit (Height Unit):	1U = 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, doors, etc.).
- Enclosure is delivered fully-assembled on a disposable pallet.

## DRAWING OF THE VERTICALS



DESCRIPTION	ORDER NUMBER
<b>ENCLOSURES</b>	
IP54 Freestanding Data-Enclosure 19", 42U, W=800, H=1.970, D=800 mm	DSI428080
IP54 Freestanding Data-Enclosure 19", 42U, W=800, H=1.970, D=1.000 mm	DSI428010
IP54 Freestanding Data-Enclosure 19", 42U, W=600, H=1.970, D=600 mm	DSI426060
IP54 Freestanding Data-Enclosure 19", 42U, W=600, H=1.970, D=1.000 mm	DSI426010
<b>INSTALLATIONSKIT WITH DEFLECTOR FOR DSI ENCLOSURE 800 x 1.000</b>	
Installationskit DLT11400/2000 to DSI 800x1000 in Depth direction	DLTIZ81T1
Installationskit DLT12800/4100 to DSI 800x1000 in Depth direction	DLTIZ81T2
Installationskit DLT11400/2000 to DSI 800x1000 in Width direction	DLTIZ81B1
Installationskit DLT12800/4100 to DSI 800x1000 in Width direction	DLTIZ81B2
<b>INSTALLATIONSKIT WITH DEFLECTOR FOR DSI ENCLOSURE 600 x 1.000</b>	
Installationskit DLT11400/2000 to DSI 600x1000 in Depth direction	DLTIZ61T1
Installationskit DLT12800/4100 to DSI 600x1000 in Depth direction	DLTIZ61T2
Installationskit DLT11400/2000 to DSI 600x1000 in Width direction	DLTIZ61B1
<b>INSTALLATIONSKIT WITH DEFLECTOR FOR DSI ENCLOSURE 800 x 800</b>	
Installationskit DLT11400/2000 to DSI 800x800 in Depth direction	DLTIZ88T1
Installationskit DLT11400/2000 to DSI 800x800 in Width direction	DLTIZ88B1
Installationskit DLT12800/4100 to DSI 800x800 in Width direction	DLTIZ88B2
<b>INSTALLATIONSKIT WITH DEFLECTOR FOR DSI ENCLOSURE 600 x 600</b>	
Installationskit DLT11400/2000 to DSI 600x600 in Width direction	DLTIZ66B1
<b>COOLING UNITS FOR INSTALLATION ON ROOF</b>	
Cooling Unit roof for DSI-Enclosure, 1.400 W, 575m <sup>3</sup> /h	DLTI1400
Cooling Unit roof for DSI-Enclosure, 2.000W, 860m <sup>3</sup> /h	DLTI2000
Cooling Unit roof for DSI-Enclosure, 2.800W, 860m <sup>3</sup> /h	DLTI2800
Cooling Unit roof for DSI-Enclosure, 4.100W, 1450m <sup>3</sup> /h	DLTI4100
<b>BASES</b>	
Base, pair of side-profiles, RAL7035, D=800	DSOT1280
Base, pair of side-profiles, RAL7035, D=1.000	DSOT1210
Base, pair of side-profiles, RAL7035, D=600	DSOT1260
Base, front-/ rear-panel, RAL7035, W=800, Blanking	DSOF1280
Base, front-/ rear-panel, RAL7035, W=800, Cable-entry	DSOF1282
Base, front-/ rear-panel, RAL7035, W=800, Perforated with dust-filter	DSOF1283
Base, front-/ rear-panel, RAL7035, W=600, Blanking	DSOF1260
Base, front-/ rear-panel, RAL7035, W=600, Cable-entry	DSOF1262
Base, front-/ rear-panel, RAL7035, W=600, Perforated with dust-filter	DSOF1263

DESCRIPTION	ORDER NUMBER
<b>SHELVES</b>	
Fixed shelf 250mm, RAL7035, Load up to 15kg	DFS14825-C
Fixed shelf 350mm, RAL7035, Load up to 50kg	DFS14835-C
Fixed shelf 450mm, RAL7035, Load up to 80kg	DFS14845-C
Fixed shelf 650mm, RAL7035, Load up to 80kg	DFS14865-C
Fixed shelf 750mm, RAL7035, Load up to 80kg	DFS14875-C
Fixed shelf 450mm, RAL7035, Heavy Duty. Load up to 150kg	DFSS4845-A
Fixed shelf 550mm, RAL7035, Heavy Duty. Load up to 150kg	DFSS4855-A
Fixed shelf 650mm, RAL7035, Heavy Duty. Load up to 150kg	DFSS4865-A
Fixed shelf 750mm, RAL7035, Heavy Duty. Load up to 150kg	DFSS4875-A
<b>PDU – POWER DISTRIBUTION UNITS</b>	
19" PDU, 9x Schuko (German Style), Profile ALU, 1U, 2m-cord, RAL7035	IU070114
19" PDU, 8x Schuko (German Style) + On/Off-Switch, Profile ALU, 1U, 2m-cord, RAL7035	IU070124
19" PDU, 8x Schuko (German Style), Overvoltage Protection, Profile ALU, 1U, 2m-cord, RAL7035	IU070126
19" PDU, 6x Schuko (German Style), Overvoltage Protection + Filter, Profile ALU, 1U, 2m-cord, RAL7035	IU070118
19" PDU, 6x Schuko (German Style) with RCBO BO217516, Profile ALU, 1U, 3m-cord, RAL7035	IU070112
19" PDU, 6x Schuko (German Style) with integrated Power Metering, Profile ALU, 1U, 2m-cord, RAL7035	HSMPE06
19" PDU, 8x UTE (French Style), Profile PVC, 1.25U, 2m-cord, RAL7035	IU070110
19" PDU, 7x UTE (French Style) + On/Off-Switch, Profile PVC, 1.25U, 2m-cord, RAL7035	IU070111
19" PDU, 6x UTE (French Style) with integrated Power Metering, Profile ALU, 1U, 2m-cord, RAL7035	HSMPEU06
19" PDU, 12x IEC C13, Profile ALU, 1U, 2m-cord, RAL7035	IU070116
19" PDU, 8x IEC C13 with integrated Power Metering, Profile ALU, 1U, 2m-cord, RAL7035	HSMPE308
<b>ACCESSORIES</b>	
19" Light unit for 19"-installation , with magnet	DV900330-A
19" Installationset: 50 pcs. of M6 cagenuts, screws and washers	DSSRA050
Pouch for circuit diagrams, self adhesive, A4	ASDRA400
19" DIN-rail panel 3U	DAB34810
Cable-Organiser for vertical cable management. Fixed to 19"-rail, 80x80mm	DBKO8080