

D-LAN-19"-20

Order No.: 2880134

The illustration shows the version with 24 ports

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19" rack with 20 surge protected ports for data interfaces in Ethernet (100Base T), Token Ring and FDDI/CDDI networks in acc. with Class D/EN 50173 (CAT5e), connection on the protective device: RJ45 sockets

Commercial data

GTIN (EAN)	 4 017918 962784
Note	Made-to-order
sales group	J471
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 139 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
06/01/2006

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Technical data

General

Housing material	Sheet steel
Color	beige

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	II
Pollution degree	2
Total surge current (8/20) μ s	10 kA
Ambient temperature (operation)	-40 °C ... 80 °C
Mounting type	19" rack
Design	19" rack patch module
Number of positions	20
Degree of protection	IP20
Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Width	483.00 mm
Height unit	1 HU
Protective circuit	
IEC category	C1
	C2
	C3
	B3
Maximum continuous voltage U_C (wire-wire)	6 V DC
Maximum continuous voltage U_C (wire-ground)	68 V DC (optional: +/- 6 V DC)
Nominal current I_N	1.5 A (25°C)
Operating effective current I_C at U_C	≤ 1 mA
Ground conductor current I_{PE}	≤ 1 mA (jumper 2 unplugged)
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	350 A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	350 A
Nominal discharge surge current I_n (8/20) μ s (Shield-Earth)	2.5 kA (with insulated housing)
Total surge current (8/20) μ s	10 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Core)	100 A
Nominal pulse current I_{an} (10/1000) μ s (Core-Earth)	100 A
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 20 V

Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 30 V (J2 plugged)
	≤ 170 V (J2 unplugged)
Output voltage limitation at 1 kV/ μ s (Shield-Earth) static	≤ 700 V (with insulated shield)
Residual voltage at I_n , (conductor-conductor)	≤ 65 V
Residual voltage at I_n , (conductor-ground)	≤ 45 V (J2 ON)
	≤ 220 V (J2 OFF)
Residual voltage at I_n , (shield-ground)	≤ 700 V
Protection level U_p (Core-Core)	≤ 50 V (C1, 500 V/250 A)
Protection level U_p (Core-Earth)	≤ 40 V (C1, 500 V/250 A (J2 ON))
	≤ 180 V (C1, 500 V/250 A (J2 OFF))
Protection level U_p (Shield-Earth)	≤ 800 V (with insulated housing)
Response time t_A (Core-Core)	≤ 1 ns
Response time t_A (Core-Earth)	≤ 1 ns
Response time t_A (Core-GND)	≤ 100 ns
Input attenuation a_E , sym.	Typ. 1 dB (≤ 100 MHz)
Near-end crosstalk attenuation	Typ. 36 dB (100 Ω system / 100 MHz)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	> 100 MHz
Capacity (Core-Core)	Typ. 20 pF
Capacity (Core-Earth)	Typ. 1 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C1 (500 V / 250 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (500 A/250 A)
Surge carrying capacity in acc. with IEC 61643-21 (Shield-Earth)	C2 (4 kV / 2 kA)

Connection data

Connection method	RJ45
Connection type IN	RJ45 female connector
Connection type OUT	RJ45 female connector
Connection method	Network interfaces (e.g. Ethernet, Token Ring and CDDI/FDDI)

Connection, protective circuit

Standards/regulations	IEC 61643-21
	DIN EN 50173-1

Certificates / Approvals

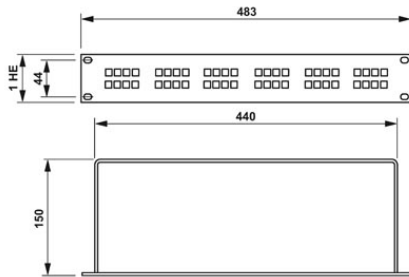


Certification

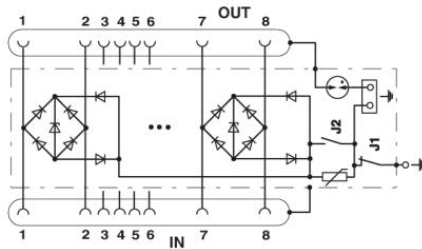
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Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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