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Surge protection device - D-LAN-19 -16 - 2880147

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19" rack with 16 surge protected ports for data interfaces in Ethernet (1000Base-T), Token Ring and FDDI/CDDI networks in acc. with Class D/EN 50173 (CAT5e), connection on the protective device: RJ45 sockets

Your advantages

- ☑ 19" rack for installation in storey distributors
- ☑ Protection of all eight signal wires of the data cable
- ☑ Reliable transmission speeds up to 1 Gbps
- ☑ Up to 24 ports with RJ45 connection
- ☑ Indirect grounding via a gas-filled surge arrester in the housing
- ☑ Direct grounding via a connection on the housing

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 962791
GTIN	4017918962791
Weight per Piece (excluding packing)	2,882.680 g
Custom tariff number	85363010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	44 mm
Width	483 mm
Depth	160 mm
Height unit	1 U

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C

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Technical data

Ambient conditions

Degree of protection	IP20

General

Housing material	Sheet steel
Color	beige
Standards for cearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
Overvoltage category	II
Degree of pollution	2
Mounting type	19" rack
Type	19" rack patch module
Number of positions	16
Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
	B3
Maximum continuous voltage U_C	6 V DC (Core - core)
Maximum continuous voltage U_C (line-earth)	68 V DC (optional: +/- 6 V DC)
Rated current	1.5 A (25 °C)
Operating effective current I_C at U_C	$\leq$ 1 mA
Residual current I_{PE}	$\leq$ 1 mA (jumper 2 unplugged)
Nominal discharge current I_n (8/20) µs (line-line)	350 A
Nominal discharge current I_n (8/20) µs (line-earth)	350 A
Nominal discharge current I_n (8/20) µs (shield-earth)	2.5 kA (with insulated housing)
Total discharge current I_{total} (8/20) µs	10 kA
Nominal pulse current Ian (10/1000) µs (line-line)	100 A
Nominal pulse current Ian (10/1000) µs (line-earth)	100 A
Output voltage limitation at 1 kV/µs (line-line) static	$\leq$ 20 V
Output voltage limitation at 1 kV/µs (line-earth) static	$\leq$ 30 V (J2 plugged)
	$\leq$ 170 V (J2 unplugged)
Output voltage limitation at 1 kV/µs (shield-earth) static	$\leq$ 700 V (with insulated shield)
Residual voltage at I_n (line-line)	$\leq$ 65 V
Residual voltage at I_n (line-earth)	$\leq$ 45 V (J2 ON)
	$\leq$ 220 V (J2 OFF)
Residual voltage at I_n (shield-earth)	$\leq$ 700 V
Voltage protection level U_p (line-line)	$\leq$ 50 V (C1 - 500 V / 250 A)
Voltage protection level U_p (line-earth)	$\leq$ 40 V (C1 - 500 V / 250 A (J2 ON))

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Protective circuit

	≤ 180 V (C1 - 500 V / 250 A (J2 OFF))
Voltage protection level U_p (shield-earth)	≤ 800 V (with insulated housing)
Response time t_A (line-line)	≤ 1 ns
Response time t_A (line-earth)	≤ 1 ns
Response time tA (line-shield)	≤ 100 ns
Input attenuation aE, sym.	typ. 1 dB (≤ 100 MHz)
Near-end crosstalk attenuation	typ. 36 dB (100 Ω system / 100 MHz)
Cut-off frequency fg (3 dB), sym. in 100 Ohm system	> 100 MHz
Capacity (line-line)	typ. 20 pF
Capacity (line-earth)	typ. 1 pF
Surge protection fault message	none
Impulse durability (line-line)	C1 - 500 V / 250 A
Impulse durability (line-earth)	C1 - 500 V / 250 A
Impulse durability (shield-earth)	C2 - 4 kV/2 kA

Connection data

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

Standards and Regulations

Standards/regulations	IEC 61643-21
	DIN EN 50173-1
Standards/specifications	IEC 61643-21 2000

Environmental Product Compliance

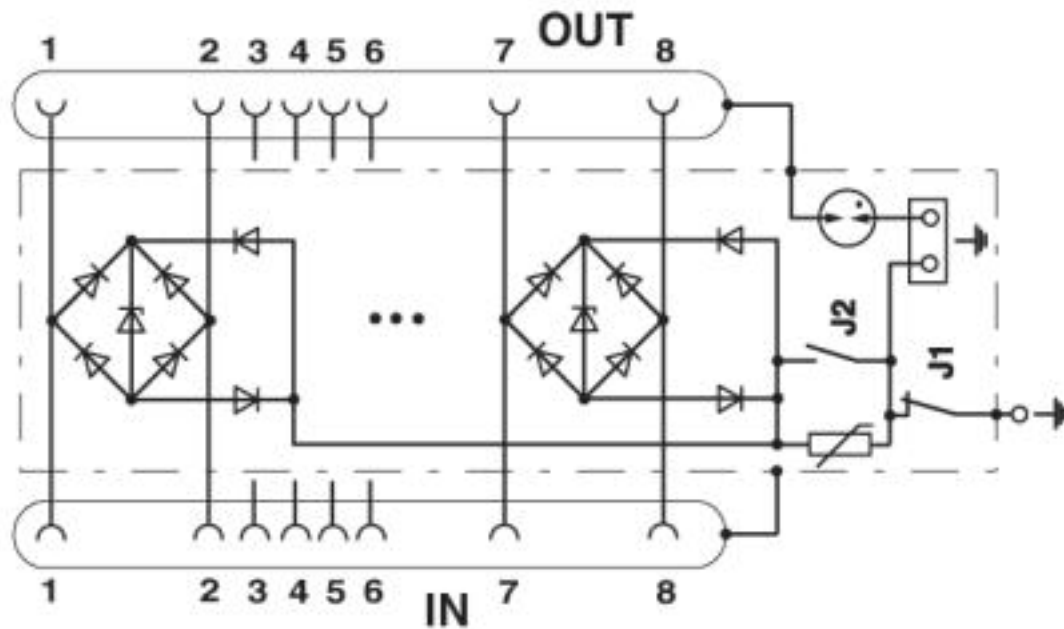| REACh SVHC	Lead 7439-92-1

Drawings

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Dimensional drawing
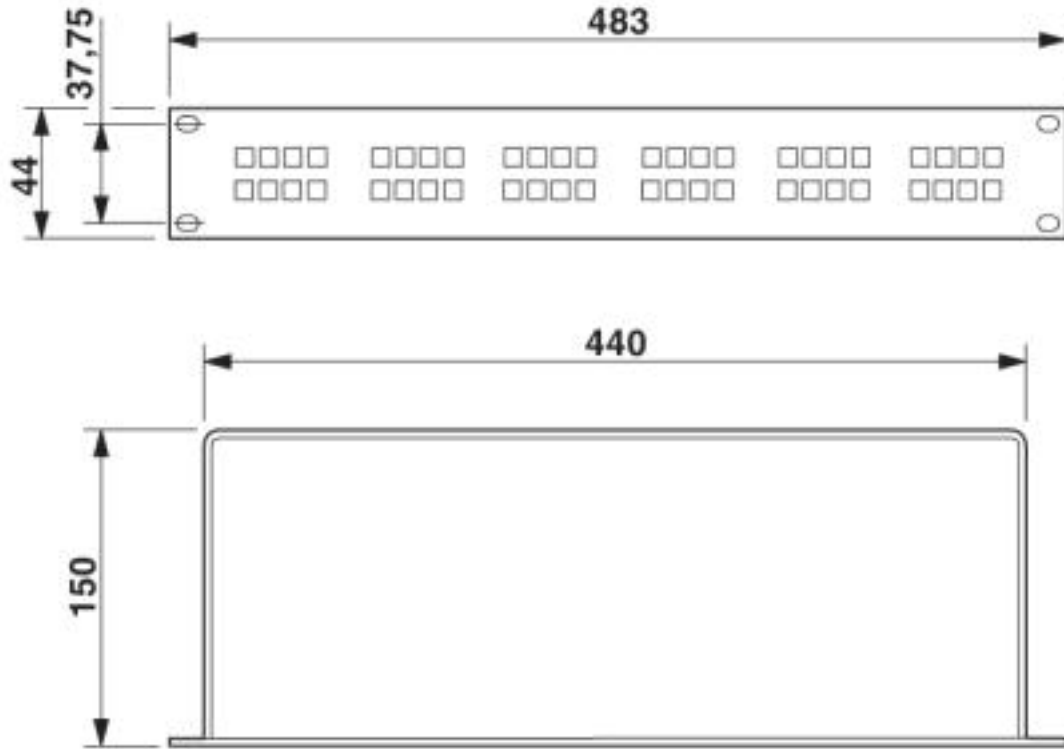
Circuit diagram

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Classifications

eCl@ss

eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC	EHL	RU C-DE.A*30.B01561

Accessories

Additional products

Patch cable - FL CAT6 PATCH 0,5 - 2891288

Patch cable, CAT6, pre-assembled, 0.5 m

Patch cable - FL CAT6 PATCH 1,5 - 2891482

Patch cable, CAT6, pre-assembled, 1.5 m