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Surge protection device - D-LAN-CAT.5-FP - 2800723

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Fine surge protection in accordance with Class D (CAT5), for token ring, ISDN, DS1, Ethernet, and Power over Ethernet (PoE) “Mode A” and “Mode B”. RJ45 attachment plug with separate grounding cable and snap-on foot for NS 35 DIN rails.

Why buy this product

- Reliable transmission speeds up to 1 Gbps
- Protective adapter for eight signal paths via RJ45 connector
- Suitable for category 5 data networks

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 730273

Technical data

Dimensions

Height	110 mm
Width	28 mm
Depth	60 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

General

Housing material	ABS
Flammability rating according to UL 94	V0
Color	gray
Standards for cearances and creepage distances	IEC 60664
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Type	Attachment plug for DIN rail mounting
Number of positions	8

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Technical data

General

Direction of action	Line-Line & Line-Ground/Shield

Protective circuit

IEC test classification	B2
	C1
VDE requirement class	B2
	C1
Maximum continuous voltage U_C	± 5 V DC
Maximum continuous voltage U_C (wire-wire)	± 5 V DC (± 57 V DC / PoE+)
Nominal current I_N	≤ 1.5 A (25 °C)
Operating effective current I_C at U_C	≤ 600 µA
Nominal discharge current I_n (8/20) µs (Core-Core)	350 A
Nominal discharge current I_n (8/20) µs (Core-Earth)	350 A
Nominal pulse current Ian (10/700) µs (Core-Core)	≤ 25 A
Nominal pulse current Ian (10/700) µs (Core-Earth)	≤ 25 A
Output voltage limitation at 1 kV/µs (Core-Core) spike	≤ 25 V
	≤ 90 V (PoE)
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 750 V
Output voltage limitation at 1 kV/µs (Core-Core) static	≤ 25 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 750 V
Residual voltage at I_n (conductor-conductor)	≤ 35 V (C1 - 350 A)
	≤ 110 V (C1 - 350 A)
Residual voltage at I_n (conductor-ground)	≤ 700 V (C1 - 350 A)
Voltage protection level U_p (core-core)	≤ 20 V (B2 - 1 kV/25 A)
	≤ 90 V (B2 - 1 kV/25 A - PoE)
	≤ 35 V (C1 - 700 V/350 A)
	≤ 110 V (C1 - 700 V/350 A - PoE)
Voltage protection level U_p (core-ground)	≤ 700 V (B2 - 1 kV/25 A)
	≤ 700 V (C1 - 700 V/350 A)
Response time tA (Core-Core)	≤ 1 ns
Response time tA (Core-Earth)	≤ 100 ns
Input attenuation aE, sym.	≤ 1 dB (100 MHz/100 Ω)
Near-end crosstalk attenuation	≤ 63.3 dB (1 MHz/100 Ω)
	≤ 43.6 dB (16 MHz/100 Ω)
	≤ 30.1 dB (100 MHz/100 Ω)
Cut-off frequency fg (3 dB), sym. in 100 Ohm system	> 100 MHz
Capacity (Core-Core)	typ. 15 pF (f= 1 MHz / VR= 0 V)
Capacity (Core-Earth)	typ. 5 pF (f= 1 MHz / VR= 0 V)
Impulse durability (conductor-conductor)	B2 (1 kV/25 A)
	C1 (700 V/350 A)
Impulse durability (conductor-ground)	B2 (1 kV/25 A)

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Technical data

Protective circuit

	C1 (700 V/350 A)

Connection data

Connection method	RJ45
Connection type IN	RJ45 socket
Connection type OUT	RJ45 socket

Connection, equipotential bonding

Connection method	Cable connection

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

UL Listed / EAC / EAC

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Approvals

Ex Approvals

Approvals submitted

Approval details

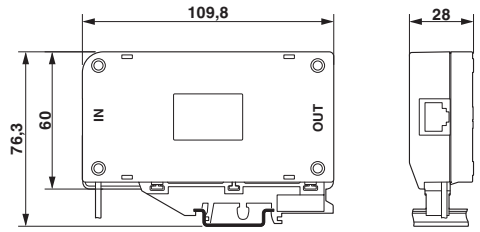
UL Listed

EAC

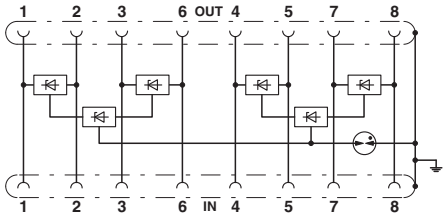
EAC

Drawings

Dimensional drawing



Circuit diagram



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Product	Code	Reference	Product link
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