


DT-LAN-CAT.6+

Order No.: 2881007

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Surge protection in acc. with Class E (CAT.6), for token ring, FDDI/ CDDI, ISDN, DS1, Ethernet and Power over Ethernet (PoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

**Commercial data**

GTIN (EAN)	 4 046356 151900
sales group	J403
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 141 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
12/01/2006



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Technical data**General**

Housing material	Zinc die-cast
Color	silver/black

Standards for air and creepage distances	VDE 0110-1
	IEC 60664-1: 1992-10
Total surge current (8/20) μ s	10 kA
Ambient temperature (operation)	-40 °C ... 70 °C
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Design	Attachment plug for DIN rail mounting
Number of positions	8
Degree of protection	IP20
Direction of action	Line-Line & Line-Ground/Shield
Width	25.00 mm
Height	63.00 mm
Length	103.00 mm
Protective circuit	
IEC category	B2
	C1
	C2
	C3
	D1
VDE requirement class	B2
	C1
	C2
	C3
	D1
Maximum continuous operating voltage U_c	≤ 3.3 V DC
Maximum continuous voltage U_C (wire-wire)	≤ 3.3 V DC (± 60 V DC / PoE)
Maximum continuous voltage U_c (wire-ground)	≤ 180 V DC
Nominal current I_N	≤ 1.5 A (25°C)
Operating effective current I_c at U_c	≤ 1 μ A
Ground conductor current I_{PE}	≤ 8 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	100 A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	2 kA (per signal pair)
Total surge current (8/20) μ s	10 kA
Nominal pulse current I_{an} (10/700) μ s (Core-Core)	≤ 40 A

Nominal pulse current I_{an} (10/700) μ s (Core-Earth)	≤ 160 A
Output voltage limitation at 1 kV/ μ s (Core-Core) spike	≤ 85 V (PoE)
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 700 V
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 9 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 700 V
Residual voltage at I_n , (conductor-conductor)	≤ 15 V
	≤ 100 V (PoE)
Protection level U_p (Core-Core)	≤ 9 V (B2 (1 kV/25 A))
	≤ 100 V (B2 (1 kV/25 A) - PoE)
	≤ 15 V (500 V/100 A)
Protection level U_p (Core-Earth)	≤ 600 V (B2 ())
	≤ 700 V (C2 (4 kV/2 kA))
Response time t_A (Core-Core)	≤ 1 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation a_E , sym.	1 dB (≤ 250 MHz)
Near-end crosstalk attenuation	≤ 35 dB (At 250 MHz / 100 Ω)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	> 500 MHz
Capacity (Core-Core)	Typ. 12 pF ($f= 1$ MHz / $V_R= 0$ V)
Capacity (Core-Earth)	Typ. 2 pF ($f= 1$ MHz / $V_R= 0$ V)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (1 kV/25 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
	C2 (4 kV / 2 kA)
	D1 (1 kA)
Connection data	
Connection method	RJ45
Connection type IN	RJ45 female connector
Connection type OUT	RJ45 female connector
Connection, equipotential bonding	
Connection method	Cable connection

Connection, protective circuit

Standards/regulations	IEC 61643-21
	EN 50173-1
	ISO/IEC 11801-Am.1

Certificates / Approvals



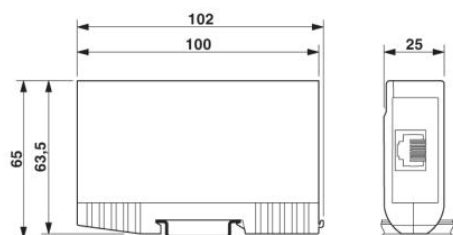
Certification GOST, UL Listed

Accessories

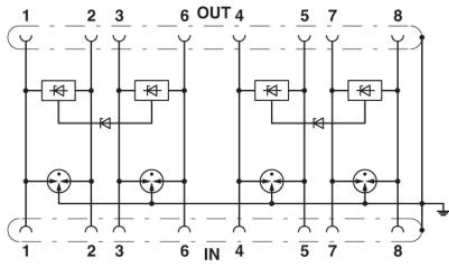
Item	Designation	Description
Cable/conductor		
2891288	FL CAT6 PATCH 0,5	Patch cable, CAT6, pre-assembled, 0.5 m
2891385	FL CAT6 PATCH 1,0	Patch cable, CAT6, pre-assembled, 1.0 m
2891589	FL CAT6 PATCH 2,0	Patch cable, CAT6, pre-assembled, 2.0 m

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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