

DT-LAN-CAT.6+

Order No.: 2881007



RJ45 attachment plug with surge protection for LAN interfaces Can be alternatively snapped onto DIN rails.

**Commercial data**

EAN	4046356151900
Pack	1 pcs.
Customs tariff	85363010
Weight/Piece	0.3284 KG
Catalog page information	Page 167 (NTK-2008)

Product notes

WEEE/RoHS-compliant since:
06/03/2008

**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 ... 85 °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
Arrester rated voltage U_c	≤ 3.3 V DC
Arrester rated voltage U_c (Core-Core)	≤ 3.3 V DC (± 60 V DC / PoE)
Arrester rated voltage U_c (Core-Earth)	≤ 180 V DC
Nominal current I_N	≤ 1.5 A ($\leq 25^\circ\text{C}$)
Operating effective current I_c at U_c	≤ 1 μ A
Discharge current to PE at U_c	≤ 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 / VR= 0 V)
Capacity (Core-Earth)	Typ. 2 pF (f= 1 MHz / VR= 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

Type of connection	RJ45
Connection type IN	RJ45 female connector
Connection type OUT	RJ45 female connector

Connection, equipotential bonding

Type of connection	Cable connection
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Connection, protective circuit

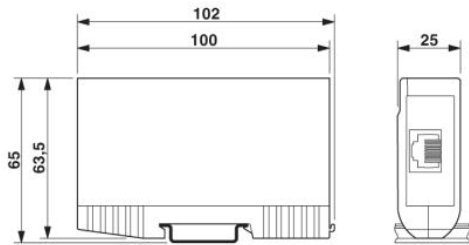
Standards/regulations	IEC 61643-21
	EN 50173-1
	ISO/IEC 11801-Am.1

Certificates / Approvals

Certification GOST

Drawings

Dimensioned drawing



Circuit diagram

