

Surge protection device - DT-TELE-RJ45 - 2882925

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Attachment plug with surge protection for analog and digital telecommunications interfaces (up to 46 Mbps). Connection: RJ45 (RJ12/RJ11) and screw terminal block (COMBICON). Can alternatively be snapped onto DIN rails.

Product Features

- For analog and digital (DSL) telecommunications interface
- Connection: RJ45 socket and/or plug-in screw terminal blocks
- The adapter included enables conversion from RJ45 to RJ11 and RJ12
- DIN rail mounting possible by removing the cover cap
- International use thanks to multiple assignment



Key commercial data

Packing unit	1 PCE
Catalog page	Page 159 (TT-2011)
GTIN	 4 046356 155137
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

General

Housing material	Zinc die-cast
Color	silver/black
Standards for air and creepage distances	IEC 60664-1
Standards for air and creepage distances	VDE 0110-1
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

Surge protection device - DT-TELE-RJ45 - 2882925

Technical data

General

Design	Attachment plug for DIN rail mounting
Number of positions	4
Degree of protection	IP20
Direction of action	Line-Line & Line-Ground/Shield
Width	25 mm
Height	103 mm
Depth	63 mm

Protective circuit

IEC category	B2
IEC category	C1
IEC category	C2
IEC category	C3
IEC category	D1
VDE requirement class	B2
VDE requirement class	C1
VDE requirement class	C2
VDE requirement class	C3
VDE requirement class	D1
Maximum continuous operating voltage U_C	185 V DC
Maximum continuous operating voltage U_C	130 V AC
Maximum continuous voltage U_C (wire-wire)	185 V DC
Maximum continuous voltage U_C (wire-wire)	130 V AC
Nominal current I_N	≤ 380 mA (25°C)
Operating effective current I_C at U_C	≤ 6 μ A
Ground conductor current I_{PE}	≤ 4 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	≤ 5 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	≤ 5 kA
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
Nominal pulse current I_{an} (10/700) μ s (Core-Core)	150 A
Nominal pulse current I_{an} (10/700) μ s (Core-Earth)	150 A
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 250 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 250 V
Residual voltage at I_n , (conductor-conductor)	≤ 120 V
Residual voltage at I_n , (conductor-ground)	≤ 120 V

Surge protection device - DT-TELE-RJ45 - 2882925

Technical data

Protective circuit

Protection level U_p (Core-Core)	≤ 250 V (B2 - 100 A)
Protection level U_p (Core-Core)	≤ 250 V (C1 - 500 A)
Protection level U_p (Core-Core)	≤ 250 V (C2 - 5 kA)
Protection level U_p (Core-Earth)	≤ 250 V (B2 - 100 A)
Protection level U_p (Core-Earth)	≤ 250 V (C1 - 500 A)
Protection level U_p (Core-Earth)	≤ 250 V (C2 - 5 kA)
Response time t_A (Core-Core)	≤ 100 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation a_E , sym.	typ. 0.5 dB (≤ 5 MHz)
Input attenuation a_E , sym.	typ. 0.3 dB (≤ 8 MHz / 150 Ω)
Input attenuation a_E , sym.	typ. 0.3 dB (≤ 2.5 MHz / 600 Ω)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	typ. 50 MHz
Resistance in series	3.3 Ω 10 %
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C1 (1 kV / 500 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (4 kV / 100 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (1 kV / 500 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	D1 (1 kA)

Connection data

Connection method	RJ45 / Combicon
Connection type IN	RJ45 female connector
Connection type IN	MC 1,5/4
Connection type OUT	RJ45 female connector
Connection type OUT	MC 1,5/4

Connection, equipotential bonding

Connection method	Cable connection/DIN rail
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Connection, protective circuit

Standards/regulations	IEC 61643-21
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Classifications

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943

Surge protection device - DT-TELE-RJ45 - 2882925

Classifications

ETIM

ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

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

eCl@ss

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

Approvals

Approvals


Approvals

GOST / GOST

Ex Approvals

Approvals submitted

Approval details

GOST 
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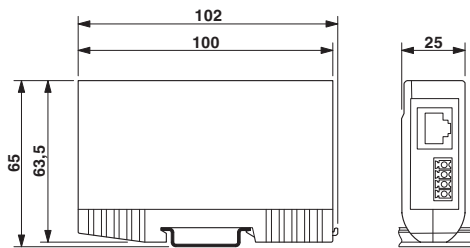
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Approvals



Drawings

Dimensioned drawing



Surge protection device - DT-TELE-RJ45 - 2882925

Circuit diagram

