

## 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.

### Why buy this product

- 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	0
Minimum order quantity	1
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) $\mu$ 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	4
Degree of protection	IP20
Direction of action	Line-Line & Line-Ground/Shield

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## Technical data

### General

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 UC	185 V DC
Maximum continuous operating voltage UC	130 V AC
Maximum continuous voltage UC (wire-wire)	185 V DC
Maximum continuous voltage UC (wire-wire)	130 V AC
Nominal current I <sub>N</sub>	≤ 380 mA (25°C)
Operating effective current I <sub>C</sub> at UC	≤ 6 μA
Ground conductor current I <sub>PE</sub>	≤ 4 μA
Nominal discharge surge current I <sub>n</sub> (8/20) μs (Core-Core)	≤ 5 kA
Nominal discharge surge current I <sub>n</sub> (8/20) μs (Core-Earth)	≤ 5 kA
Total surge current (8/20) μs	10 kA
Nominal pulse current I <sub>an</sub> (10/1000) μs (Core-Core)	100 A
Nominal pulse current I <sub>an</sub> (10/1000) μs (Core-Earth)	100 A
Nominal pulse current I <sub>an</sub> (10/700) μs (Core-Core)	150 A
Nominal pulse current I <sub>an</sub> (10/700) μs (Core-Earth)	150 A
Output voltage limitation at 1 kV/μs (Core-Core) static	≤ 250 V
Output voltage limitation at 1 kV/μs (Core-Earth) static	≤ 250 V
Residual voltage at I <sub>n</sub> , (conductor-conductor)	≤ 120 V
Residual voltage at I <sub>n</sub> , (conductor-ground)	≤ 120 V
Protection level UP (Core-Core)	≤ 250 V (B2 - 100 A)
Protection level UP (Core-Core)	≤ 250 V (C1 - 500 A)
Protection level UP (Core-Core)	≤ 250 V (C2 - 5 kA)
Protection level UP (Core-Earth)	≤ 250 V (B2 - 100 A)
Protection level UP (Core-Earth)	≤ 250 V (C1 - 500 A)
Protection level UP (Core-Earth)	≤ 250 V (C2 - 5 kA)
Response time t <sub>A</sub> (Core-Core)	≤ 100 ns
Response time t <sub>A</sub> (Core-Earth)	≤ 100 ns
Input attenuation a <sub>E</sub> , sym.	Typ. 0.5 dB (≤ 5 MHz)
Input attenuation a <sub>E</sub> , sym.	Typ. 0.3 dB (≤ 8 MHz / 150 Ω)

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## Technical data

### Protective circuit

Input attenuation aE, sym.	Typ. 0.3 dB ( $\leq 2.5$ MHz / 600 $\Omega$ )
Cut-off frequency f <sub>g</sub> (3 dB), sym. in 100 Ohm system	Typ. 50 MHz
Resistance in series	3.3 $\Omega$ 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

### eclass

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

### etim

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943

### unspsc

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

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## Approvals

Approvals

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Approvals

GOST / GOST

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Ex Approvals

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Approvals submitted

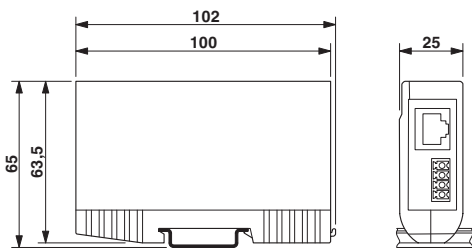
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## Approval details



## Drawings

### Dimensioned drawing



### Circuit diagram

