

WT-RJ 45-2/ISDN1/B - Surge protection device



2809827

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RJ45 outlet box, (double), surface-type with surge protection for ISDN S₀ bus interfaces



Commercial data

Item number	2809827
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL03
Product key	CL3231
GTIN	4017918076498
Weight per piece (including packing)	125.4 g
Weight per piece (excluding packing)	125.4 g
Customs tariff number	85363010
Country of origin	DE

Technical data

Product properties

IEC test classification	C2 + C3
VDE requirement class	C2 + C3
Type	Socket for flush-type mounting

Electrical properties

Nominal voltage U_N	50 V DC (S_0 phantom power supply)
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Connection data

Connection method	Screw connection & RJ12
Screw thread	M2/M3
Conductor cross-section flexible min.	0.1 mm ²
Conductor cross-section flexible max.	1 mm ²
Conductor cross-section, rigid min.	0.14 mm ²
Conductor cross-section, rigid max.	1.5 mm ²

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Nominal voltage U_N	50 V DC (S_0 phantom power supply)
Maximum continuous voltage U_C (line-earth)	6.2 V DC
Nominal current I_N	1.5 A (25 °C)
Operating effective current I_C at U_C	≤ 300 µA
Protective conductor current I_{PE}	≤ 4 µA
Nominal discharge current I_n (8/20) µs (line-line)	350 A
Nominal discharge current I_n (8/20) µs (line-ground)	5 kA
Output voltage limitation at 1 kV/µs (line-line) spike	≤ 12 V
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 450 V
Output voltage limitation at 1 kV/µs (line-line) static	≤ 12 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 450 V
Residual voltage at I_n (conductor-conductor)	≤ 33 V
Residual voltage at I_n (conductor-ground)	≤ 45 V
Voltage protection level U_p (line-line)	≤ 45 V
Voltage protection level U_p (line-earth)	≤ 450 V
Response time t_A (line-line)	≤ 500 ns
Response time t_A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	0.1 dB (up to 10 MHz 100 Ω system)

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Cut-off frequency f_g (3 dB), sym. in 100 Ω system	80 MHz
Capacity (Core-Core)	≤ 20 pF (1 MHz)
Capacity (Core-Earth)	≤ 20 pF (1 MHz)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C

Standards and regulations

VDE requirement class	C2 + C3
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Standards Information technology specification

Standards/regulations	IEC 61643-21
	IEC 61643-21

Mounting

Mounting type	UP/channel installation
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Drawings

Dimensional drawing



Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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