


WT-RJ 12-S/FM A/K AP

Order No.: 2809186

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2809186>RJ12 outlet box, surface-mounted, with surge protection for analog
telecommunications interfaces**Commercial data**

GTIN (EAN)	 4 017918 076269
sales group	J413
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 155 (TT-2009)

Product notesWEEE/RoHS-compliant since:
06/29/2006

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Technical data**General**

Housing material	ABS
Color	cream white
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 ... 80 °C
Mounting type	Surface/Wall mounting
Design	Socket for surface mounting
Degree of protection	IP20
Direction of action	Line-Line & Line-Earth Ground
Width	65.00 mm
Height	80.00 mm
Length	39.00 mm
Protective circuit	
IEC category	C1
	C2
	C3
	D1
VDE requirement class	C1
	C2
	C3
	D1
Maximum continuous voltage U_C (wire-wire)	185 V DC
Nominal current I_N	150 mA (25°C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Ground conductor current I_{PE}	$\leq 6 \mu\text{A}$
Nominal discharge surge current I_n (8/20) μs (Core-Core)	2.5 kA
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	2.5 kA
Total surge current (8/20) μs	10 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Core-Earth)	2.5 kA
Output voltage limitation at 1 kV/ μs (Core-Core) spike	$\leq 240 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 700 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Core) static	$\leq 220 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 700 \text{ V}$
Residual voltage at I_n , (conductor-conductor)	$\leq 60 \text{ V}$

Residual voltage at I_n , (conductor-ground)	≤ 60 V
Protection level U_p (Core-Core)	≤ 240 V
Protection level U_p (Core-Earth)	≤ 700 V
Response time t_A (Core-Core)	≤ 10 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation aE, sym.	0.1 dB (≤ 400 kHz)
Cut-off frequency f_g (3 dB), sym. in 600 Ohm system	Typ. 1.7 MHz
Inductivity in series	39 μ H ± 10 %
Resistance in series	1 Ω
Short-circuit current self-quenching	150 mA
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C1 (1 kV / 500 A)
	C2 (4 kV/2 kA)
	C3 (25 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (1 kV / 500 A)
	C2 (4 kV / 2 kA)
	C3 (100 A)
	D1 (500 A)

Connection data

Type of connection	Screw connection & RJ12
Connection type IN	Screw terminal blocks
Connection type OUT	RJ12 female connector
Screw thread	M2/M3
Stripping length	5 mm
	6 mm
Conductor cross section stranded min.	0.1 mm ²
Conductor cross section stranded max.	1 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16

Connection, equipotential bonding

Conductor cross section stranded min.	0.15 mm ²
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Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals

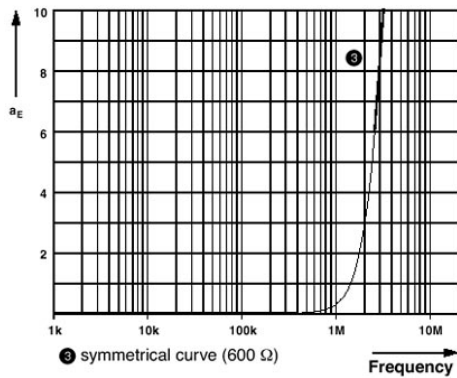


Certification

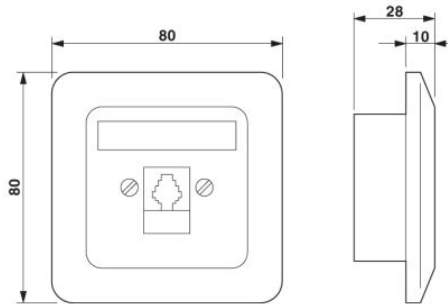
BZT, GOST

Diagrams/Drawings

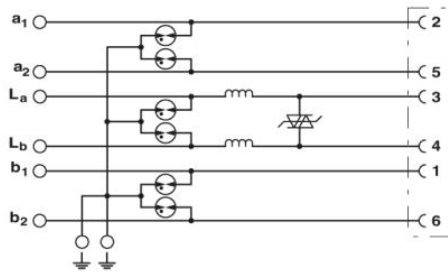
Diagram



Dimensioned drawing



Circuit diagram



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