

D-DS1-A/RJ45-BB

Order No.: 2838050



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Attachment connector with surge protection for T1/E1 systems.
Connection: RJ45 female connectors

Commercial data

GTIN (EAN)	 4 017918 176372
Note	Made-to-order
sales group	J400
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 153 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
07/28/2006



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Technical data

General

Housing material	Aluminum
Color	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 ... 80 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP20
Direction of action	Line-Line & Line-Earth Ground
Width	25.40 mm
Height	102.00 mm
Length	25.40 mm

Protective circuit

IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage U_c	7 V DC
Maximum continuous voltage U_C (wire-wire)	7 V DC
Nominal current I_N	1.5 A (25°C)
Operating effective current I_C at U_c	≤ 1 mA
Ground conductor current I_{PE}	≤ 4 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	350 A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	2.5 kA
Total surge current (8/20) μ s	10 kA
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 450 V
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 20 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 450 V
Residual voltage at I_n , (conductor-conductor)	≤ 50 V
Residual voltage at I_n , (conductor-ground)	≤ 25 V
Protection level U_p (Core-Core)	≤ 50 V
Protection level U_p (Core-Earth)	≤ 600 V
Response time t_A (Core-Core)	≤ 500 ns

Response time t_A (Core-Earth)	$\leq 100 \text{ ns}$
Input attenuation a_E , sym.	0.1 dB ($\leq 10 \text{ MHz}$)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	$> 100 \text{ MHz}$
Capacity (Core-Core)	20 pF ($f=1 \text{ MHz} / V_R=0 \text{ V}$)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C1 (500 V / 250 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (1 kA)

Connection data

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

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals

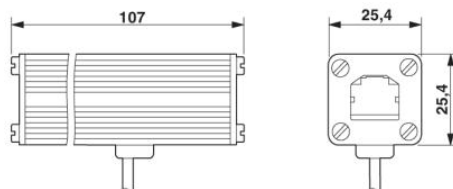


Certification

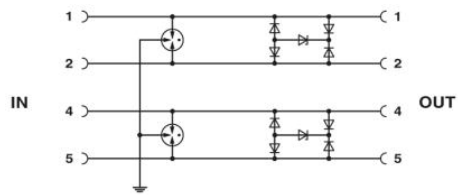
GOST

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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