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Extract from the online
catalog

D-DS1-A/RJ45-BB

Order No.: 2838050



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2838050>

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



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General

Housing material	Aluminum
Color	black
Standards for air and creepage distances	VDE 0110-1
	IEC 60664-1: 1992-10

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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

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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

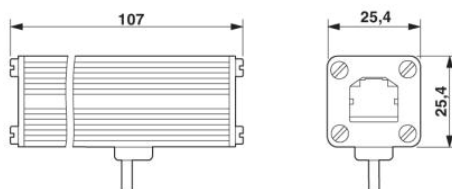


Certification

GOST

Diagrams/Drawings

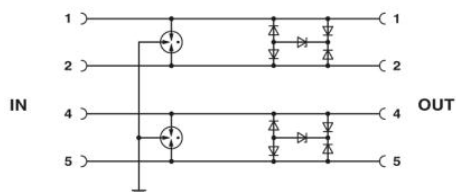
Dimensioned drawing



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Circuit diagram



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Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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