


**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

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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) $\mu$ 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
<b>Protective circuit</b>	
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 $U_C$	$\leq 1$ mA
Ground conductor current $I_{PE}$	$\leq 4$ $\mu$ A
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Core)	350 A
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)	2.5 kA
Total surge current (8/20) $\mu$ s	10 kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 450$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Core) static	$\leq 20$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 450$ V
Residual voltage at $I_n$ , (conductor-conductor)	$\leq 50$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 25$ V
Protection level $U_P$ (Core-Core)	$\leq 50$ V
Protection level $U_P$ (Core-Earth)	$\leq 600$ V
Response time $t_A$ (Core-Core)	$\leq 500$ ns

Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Input attenuation $a_E$ , sym.	0.1 dB ( $\leq 10$ MHz)
Cut-off frequency $f_g$ (3 dB), sym. in 100 Ohm system	$> 100$ MHz
Capacity (Core-Core)	20 pF ( $f=1$ MHz / $V_R=0$ 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

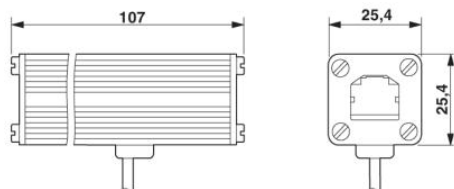


Certification

GOST

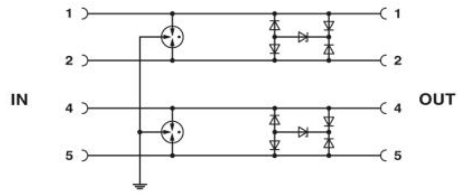
#### Diagrams/Drawings

Dimensioned drawing



Circuit diagram

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