

## D-UFB-V11/BS-B

Order No.: 2796121

The illustration shows version D-UFB-V11/BS-S



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2796121>

Attachment plug with surge protection for V.11 interface. Connection: D-SUB-15 female/male connector, installation in lines

### Commercial data

GTIN (EAN)	 4 017918 073312
Note	Made-to-order
sales group	J400
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 126 (TT-2007)

### Product notes

WEEE/RoHS-compliant since:  
06/03/2006



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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 ... 60 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP20
Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Width	24.50 mm
Height	54.50 mm
Length	84.60 mm

**Protective circuit**

IEC category	C1
	C2
	C3
	D1
VDE requirement class	C1
	C2
	C3
	D1
Maximum continuous operating voltage $U_c$	12 V DC
Maximum continuous voltage $U_C$ (wire-wire)	12 V DC
Maximum continuous voltage $U_c$ (wire-GND)	12 V DC
Nominal current $I_N$	175 mA (25°C)
Operating effective current $I_c$ at $U_c$	$\leq 10 \mu$ A
Ground conductor current $I_{PE}$	$\leq 4 \mu$ A
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Core)	5 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)	5 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-GND)	5 kA
Total surge current (8/20) $\mu$ s	10 kA
Output voltage limitation at 1 kV/ $\mu$ s (Core-Core) spike	$\leq 22$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 600$ V

Output voltage limitation at 1 kV/μs (Core-Core) static	≤ 22 V
Output voltage limitation at 1 kV/μs (Core-Earth) static	≤ 600 V
Output voltage limitation at 1 kV/μs (Core-GND) static	≤ 22 V
Residual voltage at I <sub>n</sub> , (conductor-conductor)	≤ 17 V
Residual voltage at I <sub>n</sub> , (conductor-GND)	≤ 33 V
Protection level U <sub>p</sub> (Core-Core)	≤ 25 V (C2 (4 kV/2 kA))
	≤ 30 V (C2 (10 kV/5 kA))
Protection level U <sub>p</sub> (Core-Earth)	≤ 700 V (C2 (10 kV/5 kA))
Protection level U <sub>p</sub> (Core-GND)	≤ 30 V (C2 (4 kV/2 kA))
Response time t <sub>A</sub> (Core-Core)	≤ 1 ns
Response time t <sub>A</sub> (Core-Earth)	≤ 1 ns
Input attenuation a <sub>E</sub> , sym.	≤ 100 ns
	3.2 dB (≤ 1 MHz)
Input attenuation a <sub>E</sub> , asym.	0.4 dB (≤ 600 kHz)
	1.7 dB (≤ 1 MHz)
Cut-off frequency f <sub>g</sub> (3 dB), sym. in 50 Ohm system	0.1 dB (≤ 600 kHz)
	Typ. 5 MHz
Cut-off frequency f <sub>g</sub> (3 dB), sym. in 600 Ohm system	Typ. 500 kHz
	Typ. 5 MHz
Cut-off frequency f <sub>g</sub> (3 dB), asym. (PE) in 50 Ohm system	Typ. 500 kHz
	Typ. 500 kHz
Resistance in series	22 Ω
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)

**Connection data**

Connection method	D-SUB-15
Connection type IN	D-SUB-15 socket
Connection type OUT	D-SUB-15 connector
Connection method	V.11

**Connection, protective circuit**

Standards/regulations

IEC 61643-21

**Certificates / Approvals**

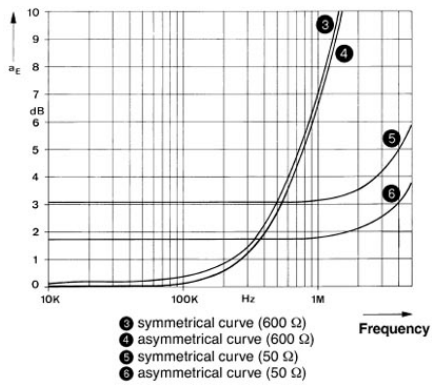


Certification

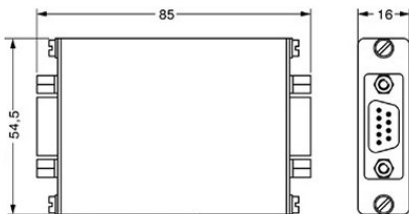
GOST

**Diagrams/Drawings**

Diagram

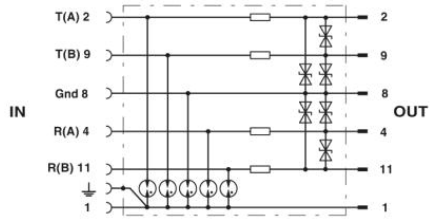


Dimensioned drawing



Circuit diagram

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