

Surge protection device - D-UFB-V11/BS-B - 2796121

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

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 073312
Weight per Piece (excluding packing)	108.8 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	54.5 mm
Width	24.5 mm
Length	84.6 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Degree of protection	IP20

General

Housing material	Aluminum
Color	black
Standards for clearances and creepage distances	VDE 0110-1
	IEC 60664-1

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Technical data

General

Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
VDE requirement class	C1
	C2
	C3
	D1
Maximum continuous 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	$\leq 10 \mu A$
Residual current I_{PE}	$\leq 4 \mu A$
Nominal discharge current I_n (8/20) μs (Core-Core)	5 kA
Nominal discharge current I_n (8/20) μs (Core-Earth)	5 kA
Nominal discharge current I_n (8/20) μs (Core-GND)	5 kA
Total surge current (8/20) μs	10 kA
Output voltage limitation at 1 kV/ μs (Core-Core) spike	$\leq 22 V$
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 600 V$
Output voltage limitation at 1 kV/ μs (Core-Core) static	$\leq 22 V$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 600 V$
Output voltage limitation at 1 kV/ μs (Core-GND) static	$\leq 22 V$
Residual voltage at I_n (conductor-conductor)	$\leq 17 V$
Residual voltage at I_n (conductor-GND)	$\leq 33 V$
Voltage protection level U_p (core-core)	$\leq 25 V$ (C2 - 4 kV/2 kA)
	$\leq 30 V$ (C2 - 10 kV/5 kA)
Voltage protection level U_p (core-ground)	$\leq 700 V$ (C2 - 10 kV/5 kA)
Voltage protection level U_p (core-GND)	$\leq 30 V$ (C2 - 4 kV/2 kA)
Response time t_A (Core-Core)	$\leq 1 ns$
Response time t_A (Core-Earth)	$\leq 1 ns$

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Protective circuit

	$\leq 100 \text{ ns}$
Input attenuation aE, sym.	3.2 dB ($\leq 1 \text{ MHz}$)
	0.4 dB ($\leq 600 \text{ kHz}$)
Input attenuation aE, asym.	1.7 dB ($\leq 1 \text{ MHz}$)
	0.1 dB ($\leq 600 \text{ kHz}$)
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	typ. 5 MHz
Cut-off frequency f_g (3 dB), sym. in 600 Ohm system	typ. 500 kHz
Cut-off frequency f_g (3 dB), asym. (PE) in 50 Ohm system	typ. 5 MHz
Cut-off frequency f_g (3 dB), asym. (PE) in 600 Ohm system	typ. 500 kHz
Resistance in series	22 Ω
Impulse durability (conductor-conductor)	C2 - 10 kV/5 kA
Impulse durability (conductor-ground)	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

Standards and Regulations

Standards/regulations	IEC 61643-21
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Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943

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Classifications

ETIM

ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

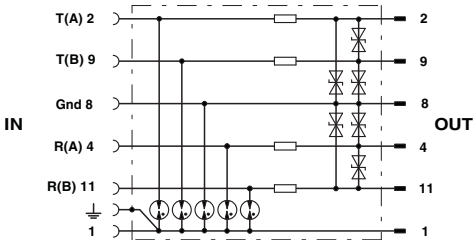
Approvals submitted

Approval details

EAC

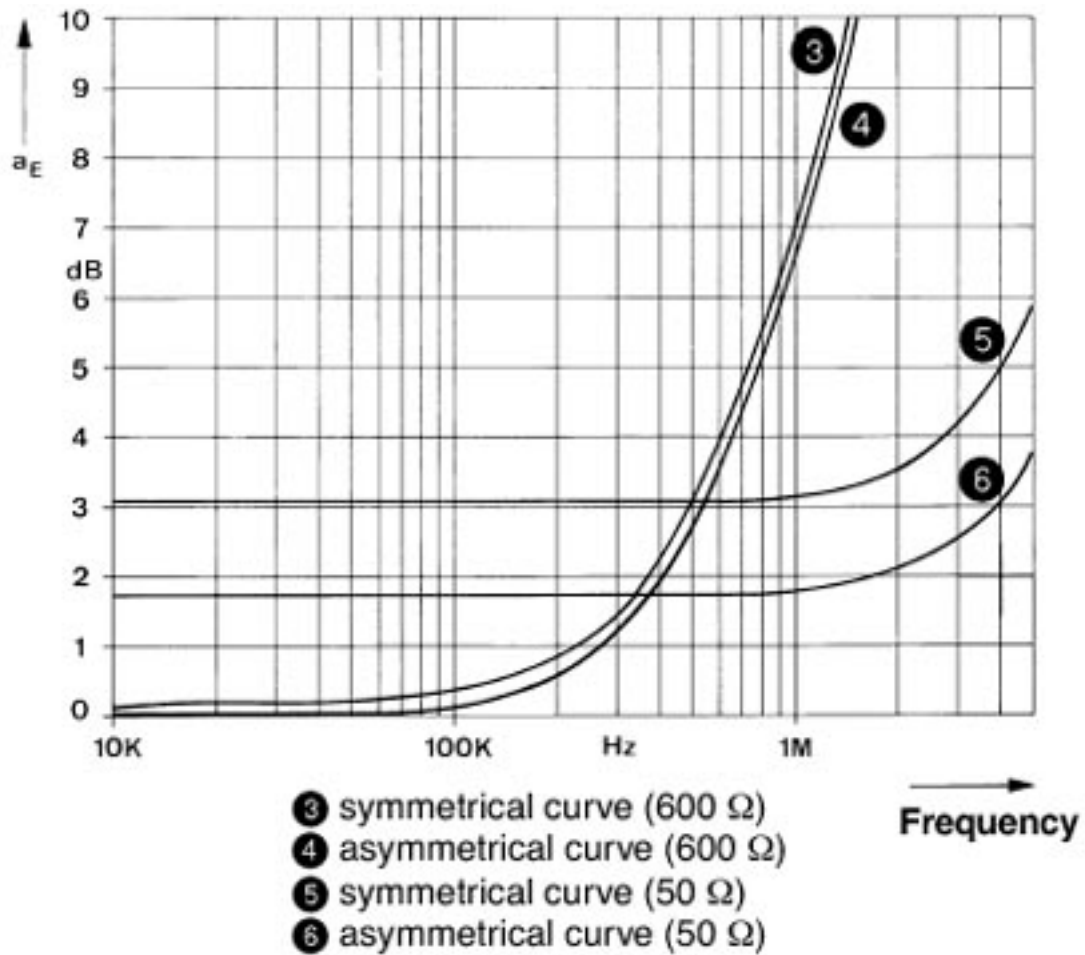
Drawings

Circuit diagram



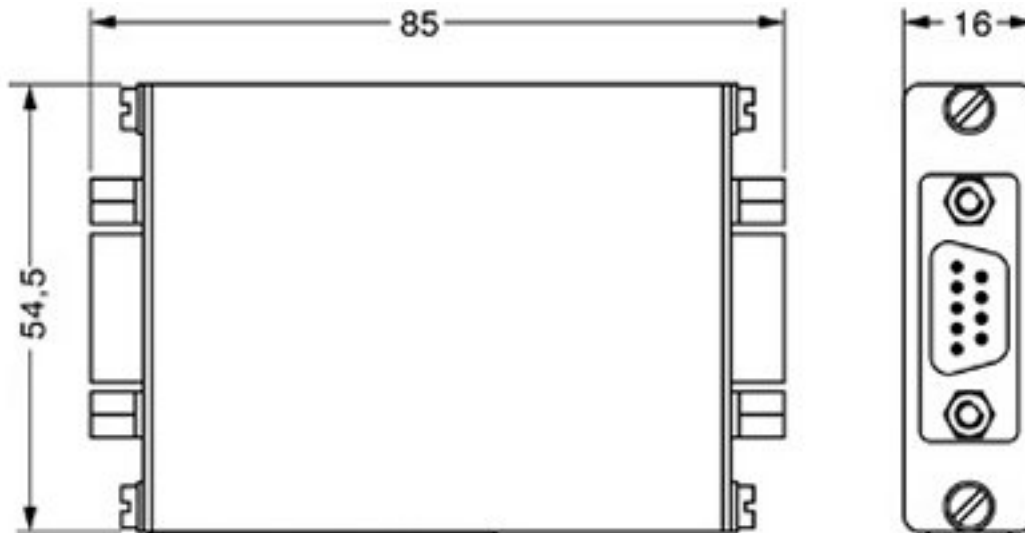
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Diagram



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Dimensional drawing



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