


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

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 073312
GTIN	4017918073312

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
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
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Technical data

Protective circuit

	C2
	C3
	D1
VDE requirement class	C1
	C2
	C3
	D1
Maximum continuous voltage U_C	12 V DC
Nominal current I_N	175 mA (25 °C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Residual current I_{PE}	$\leq 4 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-line)	5 kA
Nominal discharge current I_n (8/20) μs (line-earth)	5 kA
Nominal discharge current I_n (8/20) μs (core-signal ground)	5 kA
Total surge current (8/20) μs	10 kA
Output voltage limitation at 1 kV/ μs (line-line) spike	$\leq 22 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-line) static	$\leq 22 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-signalground) static	$\leq 22 \text{ V}$
Residual voltage at I_n (line-line)	$\leq 17 \text{ V}$
Residual voltage at I_n (line-signalground)	$\leq 33 \text{ V}$
Voltage protection level U_p (line-line)	$\leq 25 \text{ V}$ (C2 - 4 kV / 2 kA)
	$\leq 30 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-earth)	$\leq 700 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-signalground)	$\leq 30 \text{ V}$ (C2 - 4 kV / 2 kA)
Response time t_A (line-line)	$\leq 1 \text{ ns}$
Response time t_A (line-signalground)	$\leq 1 \text{ ns}$
Response time t_A (line-earth)	$\leq 100 \text{ ns}$
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
Surge protection fault message	none
Impulse durability (line-line)	C2 - 10 kV/5 kA

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Protective circuit

Impulse durability (line-earth)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Connection data

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

Standards and Regulations

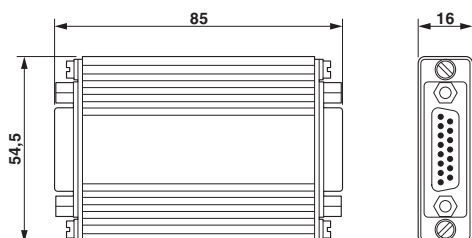
Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2000

Environmental Product Compliance

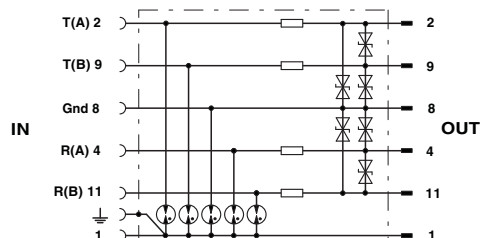
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC



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