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Surge protection device - C-UFB-24DC/E - 2782313

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Attachment plug with surge voltage coarse and fine protection, for coaxial signal interfaces with floating shield, signal voltage 24 V. Connection: BNC socket/plug

The illustration shows version C-UFB- 5DC/E

Why buy this product

- Ground connection via separately led cable
- For insertion in the cable

Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 069452

Technical data

Dimensions

Height	93 mm
Width	25.4 mm
Length	25.4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °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-Shield/Earth Ground

Protective circuit

IEC test classification	C2
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Technical data

Protective circuit

	C3
	D1
Maximum continuous voltage U_C	30 V DC
Maximum continuous voltage U_C (wire-shield)	30 V DC
Nominal current I_N	185 mA (25 °C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Residual current I_{PE}	$\leq 2 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (Core-Earth)	10 kA
Nominal discharge current I_n (8/20) μs (Core-Shield)	10 kA
Total surge current (8/20) μs	20 kA
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 500 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Shield) spike	$\leq 70 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Shield) static	$\leq 45 \text{ V}$
Residual voltage at I_n (conductor-ground)	$\leq 50 \text{ V}$ (10 cm cable)
Residual voltage at I_n (conductor-shield)	$\leq 43 \text{ V}$
Voltage protection level U_p (core-ground)	$\leq 500 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 500 \text{ V}$ (C3 - 10 A)
	$\leq 600 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (core-shield)	$\leq 70 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 50 \text{ V}$ (C3 - 10 A)
	$\leq 120 \text{ V}$ (C2 - 10 kV / 5 kA)
Response time t_A (Core-Earth)	$\leq 100 \text{ ns}$
Response time t_A (Core-GND)	$\leq 500 \text{ ns}$
Input attenuation a_E , asym.	2 dB ($\leq 20 \text{ MHz}$)
Cut-off frequency f_g (3 dB), asym. (shield) in 50 Ohm system	typ. 90 MHz
Impulse durability (conductor-ground)	C2 - 10 kV/5 kA
	D1 - 2,5 kA

Connection data

Connection method	BNC 50 Ω
Connection type IN	BNC socket
Connection type OUT	BNC plug

Connection, equipotential bonding

Connection method	PVC litz wire
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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
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

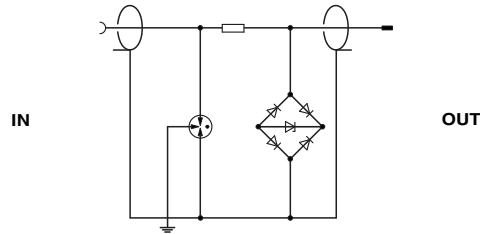
Approval details

EAC

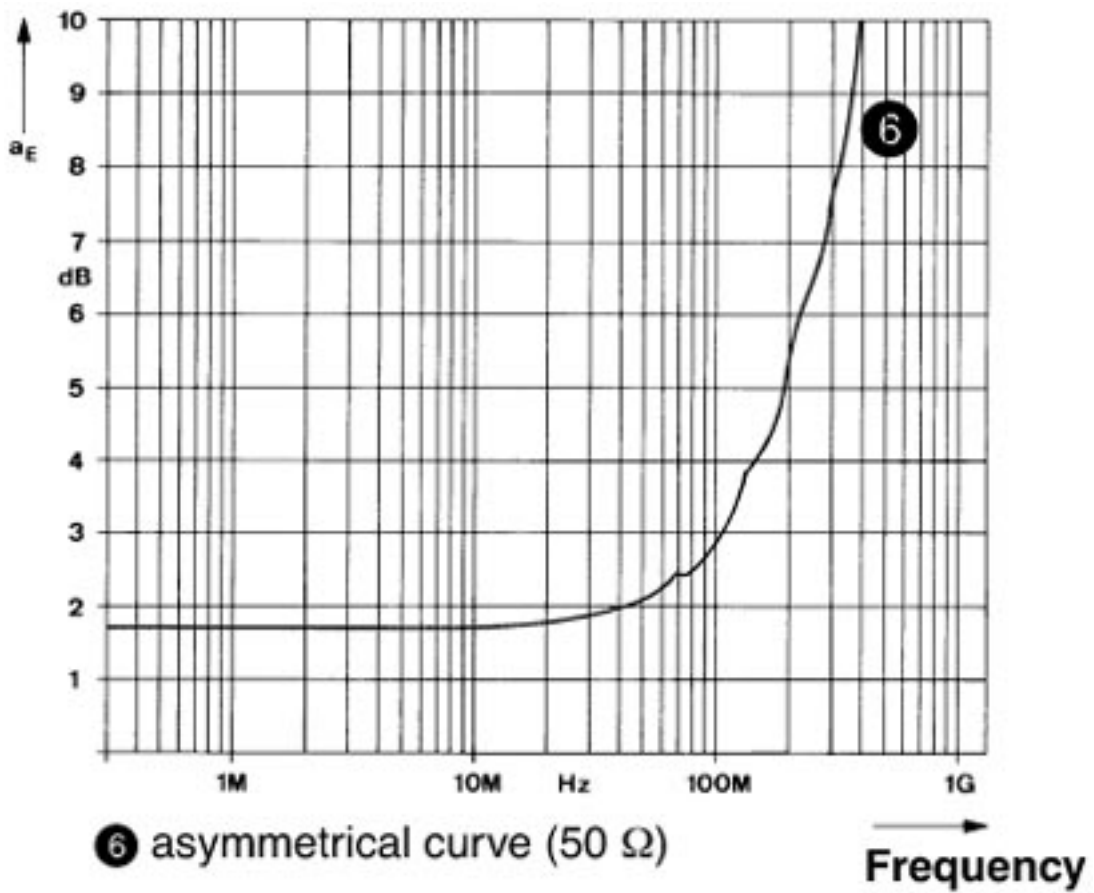
Drawings

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Circuit diagram

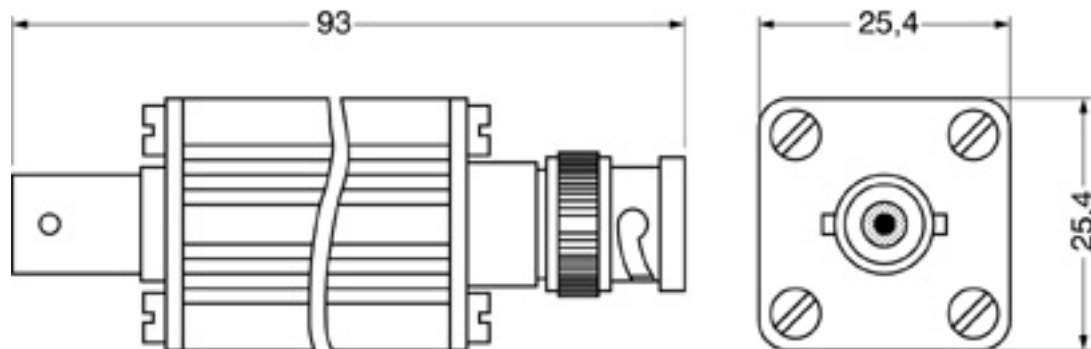


Diagram



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Dimensional drawing



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