

Surge protection device - C-UFB- 5DC/E - 2782300

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Attachment plug with surge voltage coarse and fine protection, for coaxial signal interfaces with floating shield, signal voltage 5 V. Connection: BNC female/male connector

Why buy this product

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



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 174 (TT-2011)
GTIN	 4 017918 069445
Custom tariff number	85363010
Country of origin	GERMANY

Technical data

General

Housing material	Aluminum
Color	black
Standards for air and creepage distances	VDE 0110-1
Standards for air and creepage distances	IEC 60664-1
Total surge current (8/20) μ s	20 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-Shield/Earth Ground
Width	25.4 mm
Height	93 mm
Length	25.4 mm

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Technical data

Protective circuit

IEC category	C2
IEC category	C3
IEC category	D1
Maximum continuous operating voltage UC	5 V DC
Maximum continuous voltage UC (wire-shield)	5 V DC
Nominal current I _N	185 mA (25°C)
Operating effective current I _C at UC	≤ 300 μA
Ground conductor current I _{PE}	≤ 2 μA
Nominal discharge surge current I _n (8/20) μs (Core-Earth)	10 kA
Nominal discharge surge 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	≤ 500 V
Output voltage limitation at 1 kV/μs (Core-Shield) spike	≤ 150 V
Output voltage limitation at 1 kV/μs (Core-Earth) static	≤ 500 V
Output voltage limitation at 1 kV/μs (Core-Shield) static	≤ 13 V
Residual voltage at I _n , (conductor-shield)	≤ 10 V
Protection level UP (Core-Earth)	≤ 500 V (C1 - 1 kV/500 A)
Protection level UP (Core-Shield)	≤ 150 V (C1 - 1 kV/500 A)
Response time t _A (Core-Earth)	≤ 100 ns
Response time t _A (Core-GND)	≤ 500 ns
Input attenuation a _E , asym.	Typ. 2 dB (≤ 20 MHz)
Cut-off frequency f _g (3 dB), asym. (shield) in 50 Ohm system	Typ. 90 MHz
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	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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Connection, protective circuit

Standards/regulations	IEC 61643-21
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Classifications

eclass

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

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Classifications

eclass

eCl@ss 7.0	27130807
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etim

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943

unspsc

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

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details



Accessories

Accessories

Plug/Adapter

Connector/Adapter - BNC-V 50 - 2805041



BNC connector, single-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

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Accessories

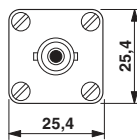
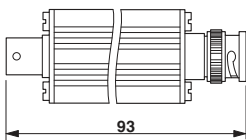
Connector/Adapter - BNC-DV 50 - 2805038



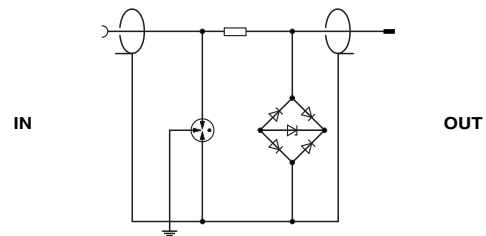
BNC connector, double-level, for mounting on NS 32 or NS 35/7.5, wave impedance: 50 Ohm

Drawings

Dimensioned drawing



Circuit diagram



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Diagram

