

Surge protection device - CN-UB/E-BB - 2817686

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Attachment plug with surge protection, for coaxial signal interfaces with floating shield. Connection: N connector socket-socket

The illustration shows version CN-UB/E



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	135.2 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	83 mm
Width	25.4 mm
Depth	25.4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Degree of protection	IP20

General

Housing material	Aluminum
Color	black
Standards for air and creepage distances	DIN VDE 0110-1 IEC 60664-1
Surge voltage category	II
Pollution degree	2
Mounting type	Connection-specific intermediate plugging

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Technical data

General

Design	Attachment plug
Direction of action	Line-Shield/Earth Ground

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage U_C	180 V DC
	130 V AC
Maximum continuous voltage U_C (wire-ground)	180 V DC
	130 V AC
Nominal current I_N	5 A (25 °C)
Operating effective current I_C at U_C	$\leq 1 \mu A$
Residual current I_{PE}	$\leq 2 \mu A$
Nominal discharge current I_n (8/20) μs (Core-Earth)	5 kA
Nominal discharge current I_n (8/20) μs (Core-Shield)	5 kA
Nominal discharge current I_n (8/20) μs (Shield-Earth)	5 kA
Total surge current (8/20) μs	10 kA
Nominal pulse current I_{an} (10/1000) μs (Core-Earth)	100 A
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ μs (Core-Shield) spike	$\leq 590 V$
Output voltage limitation at 1 kV/ μs (Shield-Earth) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 470 V$
	$\leq 33 V$
Output voltage limitation at 1 kV/ μs (Shield-Earth) static	$\leq 33 V$
Residual voltage at I_n , (conductor-ground)	$\leq 160 V$ (1.5 m cable)
Residual voltage at I_n , (conductor-shield)	$\leq 55 V$
Residual voltage at I_n , (shield-ground)	$\leq 160 V$ (1.5 m cable)
Voltage protection level U_P (Core-Earth)	$\leq 500 V$ (C2, 10 kV/5 kA)
Voltage protection level U_P (Core-Shield)	$\leq 700 V$ (C2, 10 kV/5 kA)
Voltage protection level U_P (Shield-Earth)	$\leq 500 V$ (C2, 10 kV/5 kA)
Response time t_A (Core-Earth)	$\leq 100 ns$
Response time t_A (Core-GND)	$\leq 100 ns$
Response time t_A (Shield-Earth)	$\leq 100 ns$

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Protective circuit

Input attenuation aE, asym.	0.1 dB (\leq 100 MHz)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	typ. 1 GHz
Standing wave ratio SWR in a 50 Ω system	\leq 1.2 (200 MHz)
Permissible HF power P _{max.} at SWR=xx (50 Ohm system)	300 W (at SWR = 1.1 in a 50 Ω system)
	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	7 pF (typical)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Shield-Earth)	C2 (10 kV/5 kA)
	D1 (2.5 kA)

Connection data

Connection method	N connector 50 Ω
Connection type IN	N connector, female
Connection type OUT	N connector, female

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

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

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Classifications

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

Flange coupling

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

Circuit diagram

