

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 148584
GTIN	4017918148584

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
	IP20

General

Housing material	Aluminum
Color	black
Standards for clearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
Overvoltage category	II
Degree of pollution	2
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

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Technical data

Protective circuit

IEC test classification	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous voltage U_C	180 V DC
	130 V AC
Maximum continuous voltage U_C (line-earth)	180 V DC
	130 V AC
Rated current	5 A (25 °C)
Operating effective current I_C at U_C	$\leq 1 \mu\text{A}$
Residual current I_{PE}	$\leq 2 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-earth)	5 kA
Nominal discharge current I_n (8/20) μs (line-shield)	5 kA
Nominal discharge current I_n (8/20) μs (shield-earth)	5 kA
Total discharge current I_{total} (8/20) μs	10 kA
Nominal pulse current I_{an} (10/1000) μs (line-earth)	100 A
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 470 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-shield) spike	$\leq 590 \text{ V}$
Output voltage limitation at 1 kV/ μs (shield-earth) spike	$\leq 470 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 470 \text{ V}$
	$\leq 33 \text{ V}$
Output voltage limitation at 1 kV/ μs (shield-earth) static	$\leq 33 \text{ V}$
Residual voltage at I_n (line-earth)	$\leq 160 \text{ V}$ (1.5 m cable)
Residual voltage at I_n (line-shield)	$\leq 55 \text{ V}$
Residual voltage at I_n (shield-earth)	$\leq 160 \text{ V}$ (1.5 m cable)
Voltage protection level U_p (line-earth)	$\leq 500 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	$\leq 700 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level U_p (shield-earth)	$\leq 500 \text{ V}$ (C2 - 10 kV / 5 kA)
Response time t_A (line-earth)	$\leq 100 \text{ ns}$
Response time t_A (line-shield)	$\leq 100 \text{ ns}$
Response time t_A (shield-earth)	$\leq 100 \text{ ns}$
Input attenuation aE , asym.	0.1 dB ($\leq 100 \text{ MHz}$)
Cut-off frequency f_g (3 dB), asym. (shield) in 50 Ohm system	typ. 1 GHz
Standing wave ratio SWR in a 50 Ω system	≤ 1.2 (200 MHz)
Permissible HF power P_{max} at VSWR = 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 protection fault message	none

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Technical data

Protective circuit

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

Connection data

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

Connection, equipotential bonding

Connection method	PVC litz wire
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Standards and Regulations

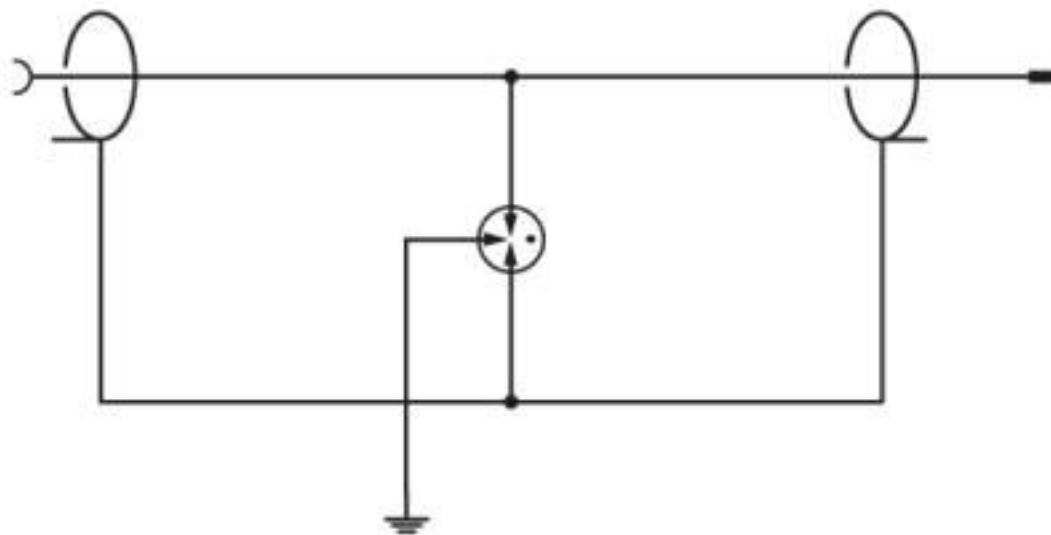
Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2002

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800

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Classifications

eCl@ss

eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
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
ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC



RU C-
DE.*09.B.00169

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

Connector/Adapter - BNC-DV 50 - 2805038



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

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