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

RoHS IP20

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 cearances 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	≤ 1 µA
Residual current I_{PE}	≤ 2 µA
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 Ian (10/1000) µs (line-earth)	100 A
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 470 V
Output voltage limitation at 1 kV/µs (line-shield) spike	≤ 590 V
Output voltage limitation at 1 kV/µs (shield-earth) spike	≤ 470 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 470 V
	≤ 33 V
Output voltage limitation at 1 kV/µs (shield-earth) static	≤ 33 V
Residual voltage at I_n (line-earth)	≤ 160 V (1.5 m cable)
Residual voltage at I_n (line-shield)	≤ 55 V
Residual voltage at I_n (shield-earth)	≤ 160 V (1.5 m cable)
Voltage protection level U_p (line-earth)	≤ 500 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	≤ 700 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (shield-earth)	≤ 500 V (C2 - 10 kV / 5 kA)
Response time t_A (line-earth)	≤ 100 ns
Response time tA (line-shield)	≤ 100 ns
Response time tA (shield-earth)	≤ 100 ns
Input attenuation aE, asym.	0.1 dB (≤ 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	≤ 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

Standards and Regulations

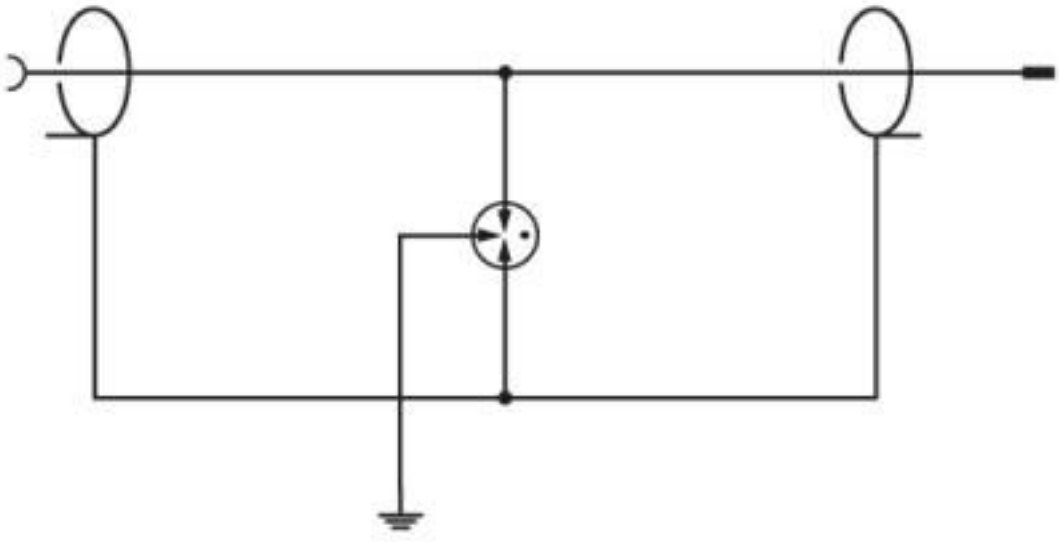
Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2002

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800

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Classifications

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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	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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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com