Surge protection device - CN-UB/E - 2763691

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

RoHS IP20

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 099527
GTIN	4017918099527

Technical data

Dimensions

Height	25.4 mm
Width	25.4 mm
Depth	96 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20

General

Housing material	Aluminum
Overvoltage category	II
Degree of pollution	2
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

Additional descriptions

Note	To meet the discharge conditions for DC voltages, please note the following information: "The surge protective device should be used

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Additional descriptions

	together with a transmitter unit, which shuts down in the event of a short-circuit."

Protective circuit

IEC test classification	C2
	C3
	D1
Maximum continuous voltage U_C	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
Pulse discharge current I_{imp} (10/350) µs (line-earth)	2.5 kA
Pulse discharge current I_{imp} (10/350) µs (line-shield)	2.5 kA
Total discharge current I_{total} (8/20) µs	10 kA
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	≤ 33 V
Output voltage limitation at 1 kV/µs (line-shield) static	≤ 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	≤ 100 ns
Input attenuation aE, asym.	typ. 0.1 dB (≤ 100 MHz/50 Ω)
Cut-off frequency fg (3 dB), asym. (shield) in 50 Ohm system	typ. 1 GHz
Standing wave ratio SWR in a 50 Ω system	typ. 1.2 (≤ 200 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)
	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	typ. 7 pF
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 2.5 kA

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Protective circuit

Impulse durability (line-shield)	C2 - 10 kV/5 kA
	C3 - 100 A
	D1 - 2.5 kA

Connection data

Connection method	N connector 50 Ω
Connection method IN	N socket
Connection method OUT	N plug

Connection, equipotential bonding

Connection method	PVC litz wire

Standards and Regulations

Standards/specifications	IEC 61643-21 2012
	EN 61643-21 2013

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

Drawings

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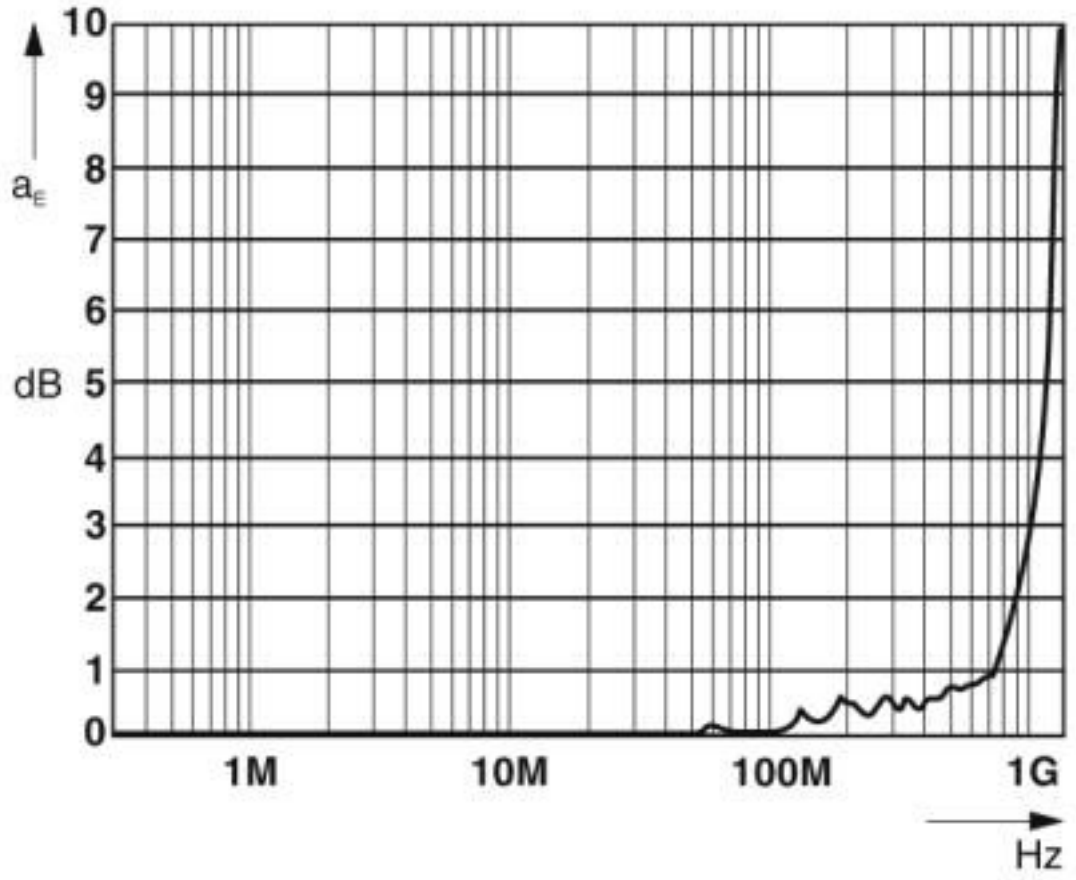
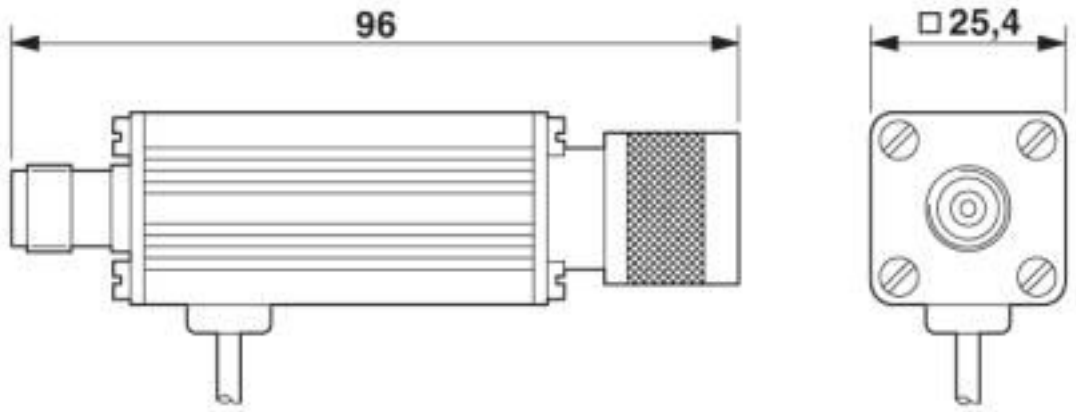
Diagram



The figure shows the asymmetrical characteristic curve for 50

Dimensional drawing



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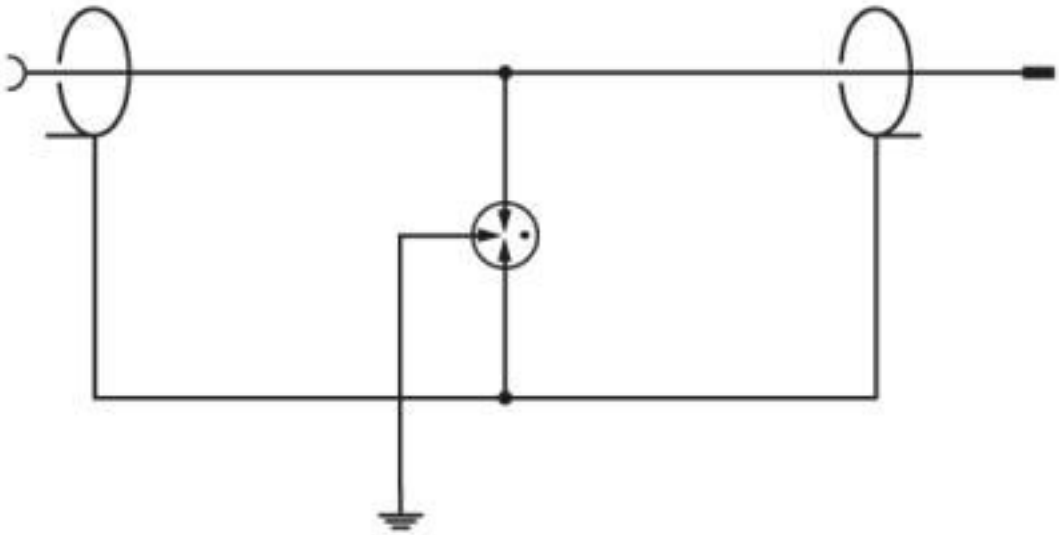
Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800
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

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Classifications

UNSPSC

UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

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

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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

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