Surge protection device - C-UB/E - 2763701

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

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 065638
Weight per Piece (excluding packing)	104.26 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	25.4 mm
Width	25.4 mm
Depth	80 mm

Ambient conditions

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

General

Housing material	Aluminum
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Direction of action	Line-Shield/Earth Ground

Additional descriptions

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Technical data

Additional descriptions

Note	To meet the discharge conditions for DC voltages, please note the following information: "The surge protective device should be used 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
Nominal current I_N	3.5 A AC (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 (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
Pulse discharge current I_{imp} (10/350) µs (core-ground)	2.5 kA
Pulse discharge current I_{imp} (10/350) µs (core-shield)	2.5 kA
Total surge current (8/20) µs	10 kA
Impulse discharge current (10/350)#µs, peak value I_{imp}	2.5 kA
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 470 V
Output voltage limitation at 1 kV/µs (Core-Shield) spike	≤ 590 V
Output voltage limitation at 1 kV/µs (Shield-Earth) spike	≤ 470 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 33 V
Output voltage limitation at 1 kV/µs (Core-Shield) static	≤ 33 V
Output voltage limitation at 1 kV/µs (Shield-Earth) static	≤ 33 V
Residual voltage at I_n (conductor-ground)	≤ 160 V (1.5 m cable)
Residual voltage at I_n (conductor-shield)	≤ 55 V
Residual voltage at I_n (shield-ground)	≤ 160 V (1.5 m cable)
Voltage protection level U_p (core-ground)	≤ 500 V (C2 - 10 kV/5 kA)
Voltage protection level U_p (core-shield)	≤ 700 V (C2 - 10 kV/5 kA)
Voltage protection level U_p (shield-ground)	≤ 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. 1.3 (≤ 150 MHz)
Permissible HF power P_{max} at VSWR = xx (50 ohm system)	300 W (VSWR = 1.1)

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Protective circuit

	80 W (VSWR = ∞)
Capacity asymmetrical (shield)	typ. 6 pF
Impulse durability (conductor-ground)	C2 - 10 kV/5 kA
	C3 - 100 A
	D1 - 2,5 kA
Impulse durability (conductor-shield)	C2 - 10 kV/5 kA
	C3 - 100 A
	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

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
eCl@ss 9.0	27130807

ETIM

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

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610

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Classifications

UNSPSC

UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

Approval details

EAC

EAC

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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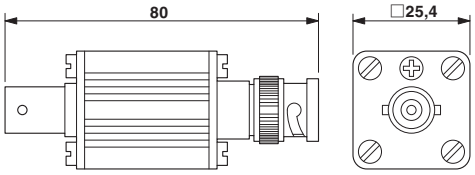
Accessories

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

Dimensional drawing



Circuit diagram

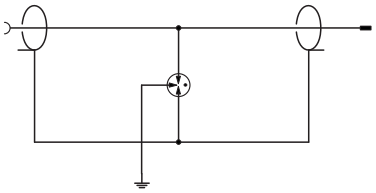


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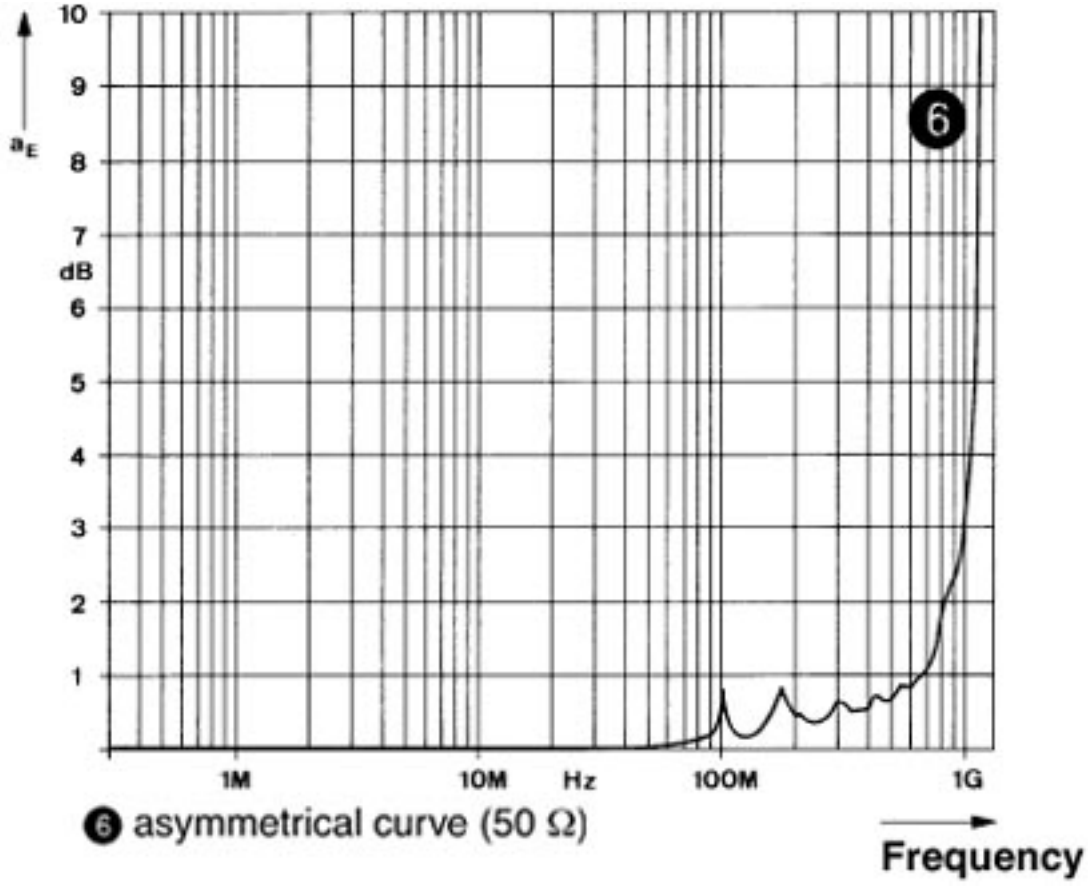
Diagram



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