

## 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
Weight per Piece (excluding packing)	135.200 g
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
	IP20

#### General

Housing material	Aluminum
Color	black

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### Technical data

#### General

Standards for clearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
Overtoltage category	II
Degree of pollution	2
Mounting type	Connection-specific intermediate plugging
Type	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 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 $U_C$	$\leq 1 \mu A$
Residual current $I_{PE}$	$\leq 2 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$ (line-earth)	5 kA
Nominal discharge current $I_n$ (8/20) $\mu s$ (line-shield)	5 kA
Nominal discharge current $I_n$ (8/20) $\mu s$ (shield-earth)	5 kA
Total discharge current $I_{total}$ (8/20) $\mu s$	10 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu s$ (line-earth)	100 A
Output voltage limitation at 1 kV/ $\mu s$ (line-earth) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ $\mu s$ (line-shield) spike	$\leq 590 V$
Output voltage limitation at 1 kV/ $\mu s$ (shield-earth) spike	$\leq 470 V$
Output voltage limitation at 1 kV/ $\mu s$ (line-earth) static	$\leq 470 V$
	$\leq 33 V$
Output voltage limitation at 1 kV/ $\mu s$ (shield-earth) static	$\leq 33 V$
Residual voltage at $I_n$ (line-earth)	$\leq 160 V$ (1.5 m cable)
Residual voltage at $I_n$ (line-shield)	$\leq 55 V$
Residual voltage at $I_n$ (shield-earth)	$\leq 160 V$ (1.5 m cable)
Voltage protection level $U_p$ (line-earth)	$\leq 500 V$ (C2 - 10 kV / 5 kA)

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#### Protective circuit

Voltage protection level $U_p$ (line-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 $t_A$ (line-earth)	$\leq 100$ ns
Response time $t_A$ (line-shield)	$\leq 100$ ns
Response time $t_A$ (shield-earth)	$\leq 100$ ns
Input attenuation $a_E$ , asym.	0.1 dB ( $\leq 100$ MHz)
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	typ. 1 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	$\leq 1.2$ (200 MHz)
Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)	300 W (at SWR = 1.1 in a 50 $\Omega$ system)
	80 W (VSWR = $\infty$ )
Capacity asymmetrical (shield)	7 pF (typical)
Surge protection fault message	none
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 $\Omega$
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

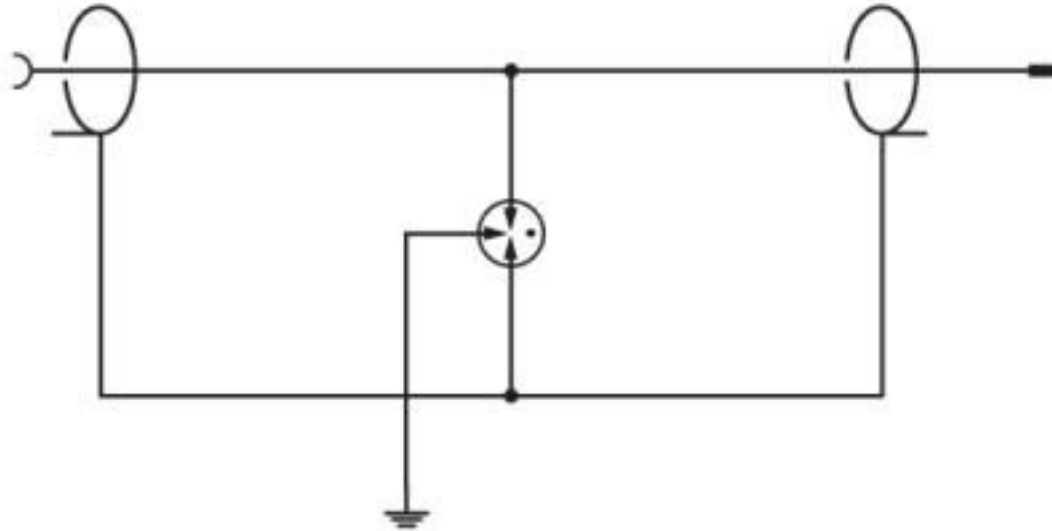
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Drawings

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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

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## Classifications

### UNSPSC

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

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### Approvals

EAC

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### Ex Approvals

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### Approval details

EAC		RU C- DE.A*30.B01561
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## Accessories

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#### 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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