

## Surge protection device - C-UFB-24DC/E - 2782313

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Attachment plug with surge voltage coarse and fine protection, for coaxial signal interfaces with floating shield, signal voltage 24 V. Connection: BNC socket/plug

### Your advantages

- Ground connection via separately led cable
- For insertion in the cable

RoHS IP20

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 069452
GTIN	4017918069452
Weight per Piece (excluding packing)	113.690 g
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Dimensions

Height	93 mm
Width	25.4 mm
Length	25.4 mm

#### Ambient conditions

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

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### Technical data

#### General

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

#### Protective circuit

IEC test classification	C2
	C3
	D1
Maximum continuous voltage $U_C$	30 V DC
Rated current	185 mA (25 °C)
Operating effective current $I_C$ at $U_C$	$\leq 10 \mu\text{A}$
Residual current $I_{PE}$	$\leq 2 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-earth)	10 kA
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-shield)	10 kA
Total discharge current $I_{total}$ (8/20) $\mu\text{s}$	20 kA
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-earth) spike	$\leq 500 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-shield) spike	$\leq 70 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-shield) static	$\leq 45 \text{ V}$
Residual voltage at $I_n$ (line-earth)	$\leq 50 \text{ V}$ (10 cm cable)
Residual voltage at $I_n$ (line-shield)	$\leq 43 \text{ V}$
Voltage protection level $U_p$ (line-earth)	$\leq 500 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 500 \text{ V}$ (C3 - 10 A)
	$\leq 600 \text{ V}$ (C2 - 10 kV / 5 kA)
Voltage protection level $U_p$ (line-shield)	$\leq 50 \text{ V}$ (C3 - 10 A)
	$\leq 70 \text{ V}$ (C1 - 1 kV/500 A)
	$\leq 120 \text{ V}$ (C2 - 10 kV / 5 kA)
Response time $t_A$ (line-earth)	$\leq 100 \text{ ns}$
Response time $t_A$ (line-shield)	$\leq 500 \text{ ns}$
Input attenuation aE, asym.	2 dB ( $\leq 20 \text{ MHz}$ )
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	typ. 90 MHz
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	D1 - 2.5 kA

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## Technical data

### Connection data

Connection method	BNC 50 Ω
Connection method IN	BNC socket
Connection method OUT	BNC plug

### Connection, equipotential bonding

Connection method	PVC litz wire
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### Standards and Regulations

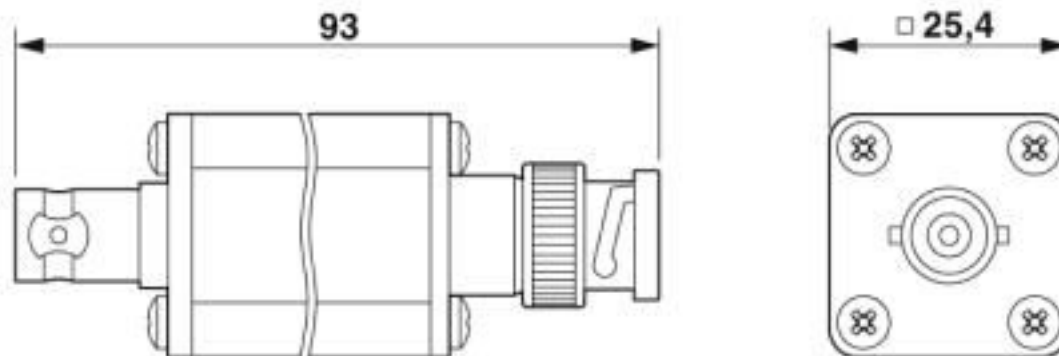
Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2000

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

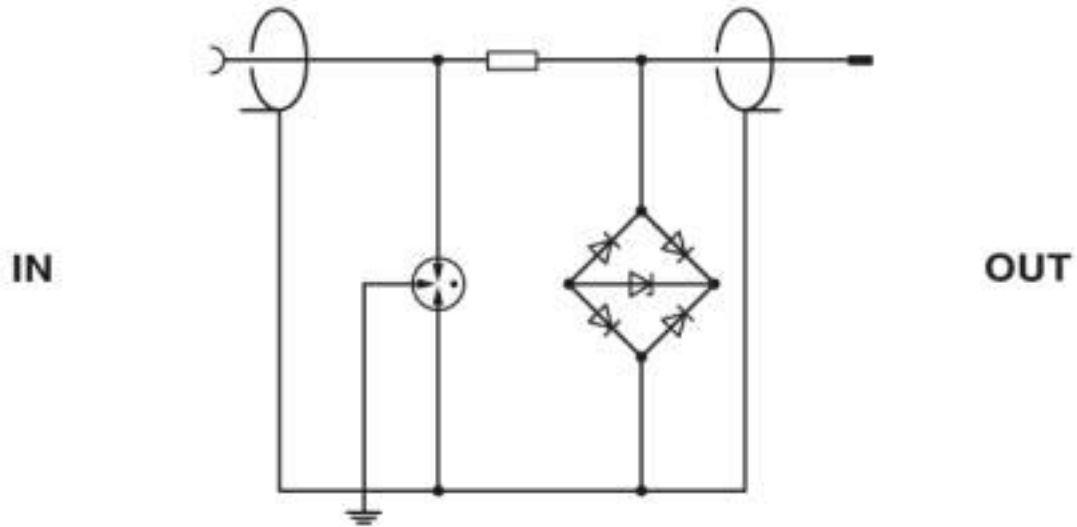
## Drawings

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

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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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