PHŒNIX CONTACT

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	10 pc
GTIN	4 017918 069452
GTIN	4017918069452
Weight per Piece (excluding packing)	0.990 g
Custom tariff number	85363010
Country of origin	Germany
Note	Made to Order (non-returnable)

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

General

Housing material	Aluminum
Color	black

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Technical data

General

Standards for cearances 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	≤ 10 µA
Residual current I_{PE}	≤ 2 µA
Nominal discharge current I_n (8/20) µs (line-earth)	10 kA
Nominal discharge current I_n (8/20) µs (line-shield)	10 kA
Total discharge current I_{total} (8/20) µs	20 kA
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 500 V
Output voltage limitation at 1 kV/µs (line-shield) spike	≤ 70 V
Output voltage limitation at 1 kV/µs (line-shield) static	≤ 45 V
Residual voltage at I_n (line-earth)	≤ 50 V (10 cm cable)
Residual voltage at I_n (line-shield)	≤ 43 V
Voltage protection level U_p (line-earth)	≤ 500 V (C1 - 1 kV/500 A)
	≤ 500 V (C3 - 10 A)
	≤ 600 V (C2 - 10 kV / 5 kA)
Voltage protection level U_p (line-shield)	≤ 50 V (C3 - 10 A)
	≤ 70 V (C1 - 1 kV/500 A)
	≤ 120 V (C2 - 10 kV / 5 kA)
Response time t_A (line-earth)	≤ 100 ns
Response time tA (line-shield)	≤ 500 ns
Input attenuation aE, asym.	2 dB (≤ 20 MHz)
Cut-off frequency fg (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

Connection data

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

Connection, equipotential bonding

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Technical data

Connection, equipotential bonding

Connection method	PVC litz wire

Standards and Regulations

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

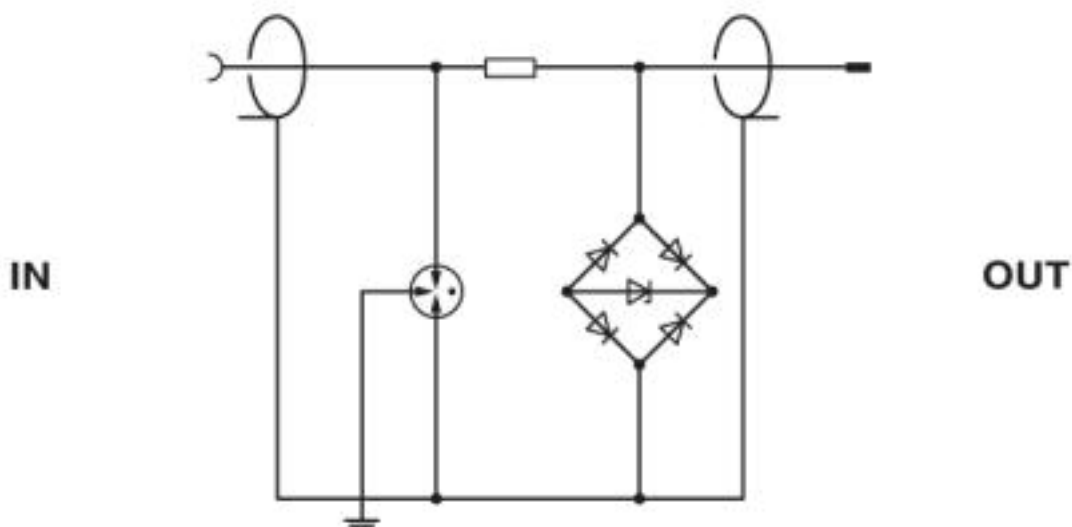### Environmental Product Compliance

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

Drawings

Dimensional drawing

Circuit diagram

IN   OUT
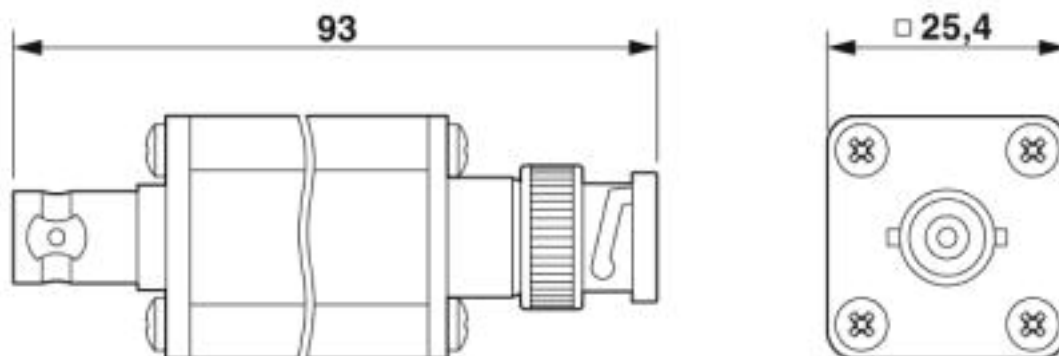
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Classifications

eCl@ss

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
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.A*30.B01561

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