

## Surge protection device - C-TV-SAT - 2856993

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Attachment plug with surge protection for antenna inputs with F connector

### Why buy this product

- Protective adapter for antenna connections
- TV or F connector
- Use on broadband cable or SAT connection

RoHS IP20

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 915179
GTIN	4017918915179
Weight per Piece (excluding packing)	49.660 g
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Dimensions

Height	44 mm
Width	28 mm
Depth	66 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 75 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20

#### General

Housing material	PA 6.6
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## Technical data

### General

Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Overvoltage category	II
Degree of pollution	2
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Number of positions	1
Direction of action	Line-Shield/Earth Ground

### Protective circuit

IEC test classification	C1
	C2
	C3
	D1
Maximum continuous voltage $U_C$	24 V DC
Rated current	1.5 A (25 °C)
Operating effective current $I_C$ at $U_C$	$\leq 1 \mu A$
Residual current $I_{PE}$	$\leq 1 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Shield)	2.5 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu s$ (Core-Shield)	120 A
Output voltage limitation at 1 kV/ $\mu s$ (Core-Shield) spike	$\leq 600 V$
Output voltage limitation at 1 kV/ $\mu s$ (Core-Shield) static	$\leq 600 V$
Residual voltage at $I_n$ (conductor-shield)	$\leq 30 V$
Voltage protection level $U_p$ (core-shield)	$\leq 700 V$ (C2 - 4 kV / 2 kA)
	$\leq 800 V$ (C2 - 5 kV/2,5 kA)
Response time $t_A$ (core-GND)	$\leq 100 ns$
Input attenuation $aE$ , asym.	typ. 0.5 dB ( $\leq 2.4 GHz / 75 \Omega$ )
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 75 Ohm system	$> 3 GHz$
Frequency range	4.7 MHz ... 2.5 GHz
Capacity asymmetrical (shield)	typ. 10 pF
Surge protection fault message	none
Impulse durability (conductor-shield)	C2 - 4 kV/2 kA
	C2 - 5 kV / 2.5 kA
	C3 - 100 A
	D1 - 500 A
Alternating current carrying capacity (conductor-shield)	5 A - 1 s
Pulse reset time (conductor-shield)	$< 3 s$

### Connection data

Connection method	F connector
Connection method IN	F connector, female

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## Technical data

### Connection data

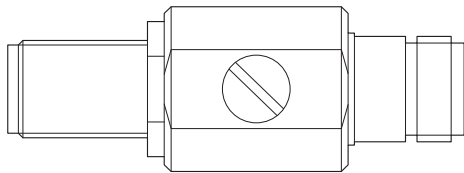
Connection method OUT	F connector, female
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### Standards and Regulations

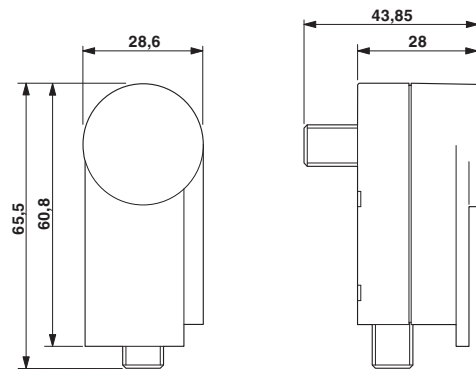
Standards/specifications	IEC 61643-21 2012
	EN 61643-21 2013
	EN 50083 CLASS-A

## Drawings

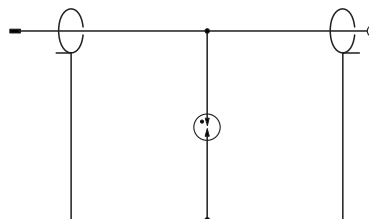
Product drawing



Dimensional drawing



Circuit diagram



## 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

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## Classifications

### ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943

### UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	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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