

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



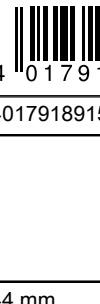
Attachment plug with surge protection for antenna inputs with F connector

### Your advantages

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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 915179
GTIN	4017918915179

### 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
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Overvoltage category	II

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

## Technical data

### General

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 $U_C$	$\leq 1 \mu\text{A}$
Residual current $I_{PE}$	$\leq 1 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-shield)	2.5 kA
Nominal pulse current $I_{an}$ (10/1000) $\mu\text{s}$ (line-shield)	120 A
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-shield) spike	$\leq 600 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-shield) static	$\leq 600 \text{ V}$
Residual voltage at $I_n$ (line-shield)	$\leq 30 \text{ V}$
Voltage protection level $U_p$ (line-shield)	$\leq 700 \text{ V}$ (C2 - 4 kV / 2 kA)
	$\leq 800 \text{ V}$ (C2 - 5 kV/2,5 kA)
Response time $t_A$ (line-shield)	$\leq 100 \text{ ns}$
Input attenuation $a_E$ , asym.	typ. 0.5 dB ( $\leq 2.4 \text{ GHz}$ / 75 $\Omega$ )
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 75 Ohm system	$> 3 \text{ GHz}$
Frequency range	4.7 MHz ... 2.5 GHz
Capacity asymmetrical (shield)	typ. 10 pF
Surge protection fault message	none
Impulse durability (line-shield)	C2 - 4 kV/2 kA
	C2 - 5 kV / 2.5 kA
	C3 - 100 A
	D1 - 500 A
Alternating current carrying capacity (line-shield)	5 A - 1 s
Pulse reset time (line-shield)	$< 3 \text{ s}$

### Connection data

Connection method	F connector
Connection method IN	F connector, female
Connection method OUT	F connector, female

### Standards and Regulations

Standards/specifications	IEC 61643-21 2012
--------------------------	-------------------

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

## Technical data

### Standards and Regulations

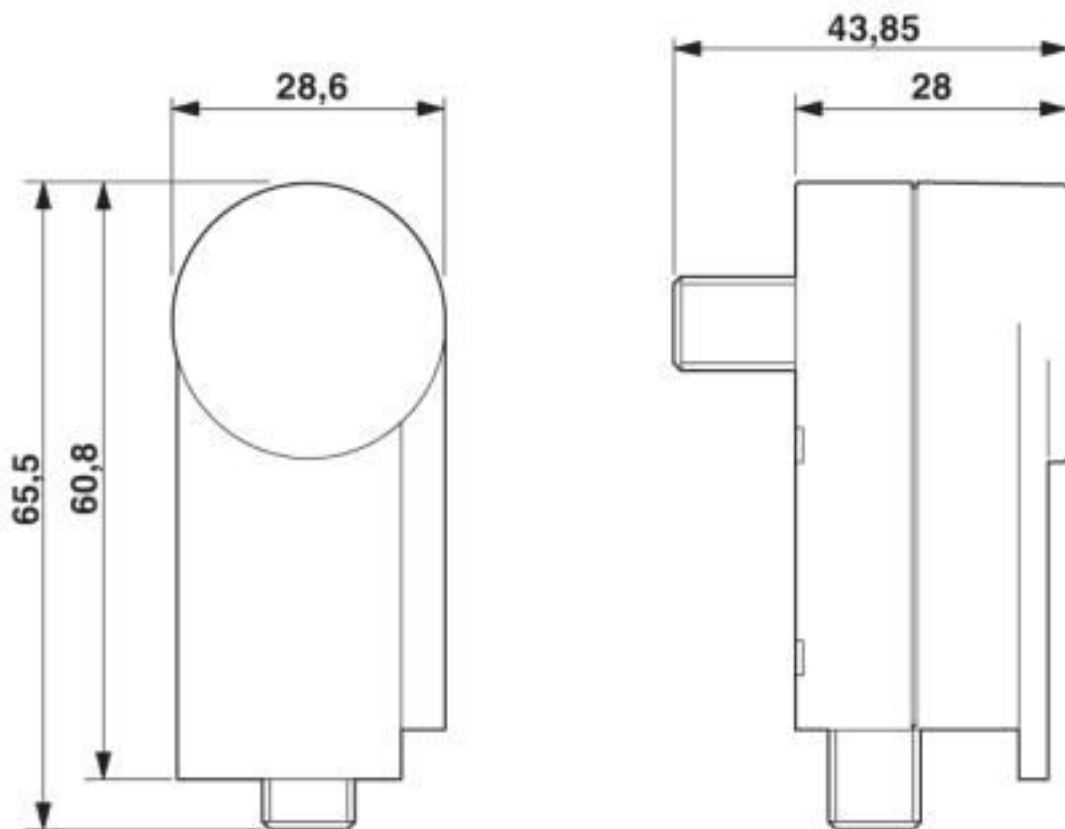
	EN 61643-21 2013
	EN 50083 CLASS-A

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

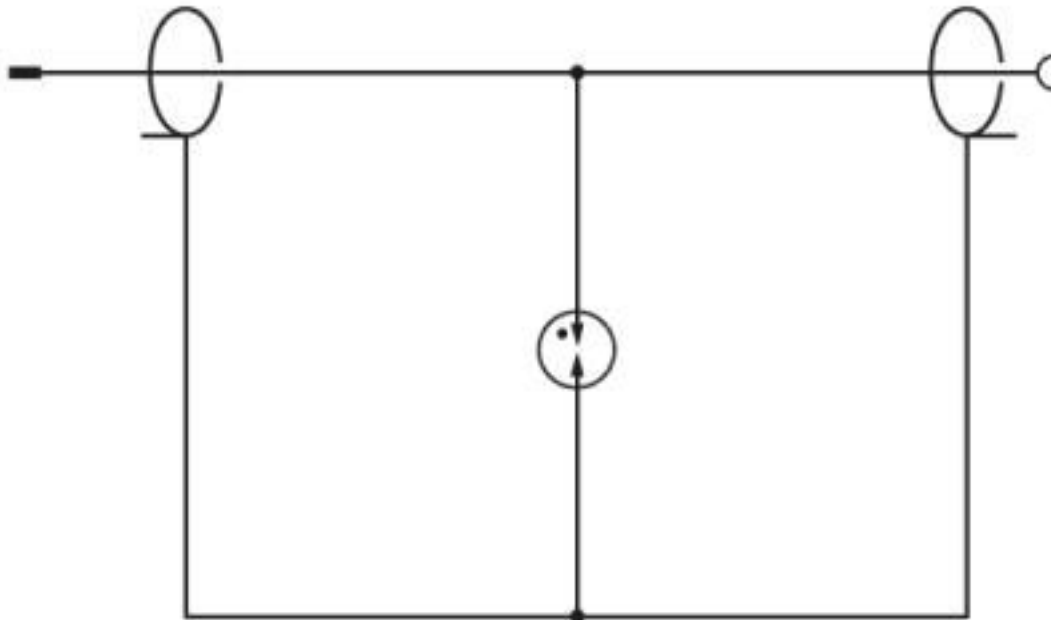
## Drawings

Dimensional drawing



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

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
UNSPSC 11	39121610

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

## Classifications

### UNSPSC

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

EAC		RU C- DE.*09.B.00169
-----	---	-------------------------

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Surge Suppressors](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[GUS1](#) [GUS12](#) [BSPM1A600D600LVR](#) [2800521](#) [29-2053](#) [GUS11](#) [GUS2](#) [GUS3](#) [GUS4](#) [30460](#) [SRA64C060X](#) [PC642C015](#) [1810-15-A3](#)  
[2713175](#) [4B06B-EC1-150LF](#) [SRA6LC](#) [BPMA75D100LV](#) [CX06M](#) [CCTV1](#) [GUS13](#) [GUS14](#) [GUS5](#) [GUS6](#) [VAL-MS 320/3+0-FM](#) [VAL-US-](#)  
[120/40/1+1-FM](#) [VAL-US-120/65/1+1-FM](#) [VAL-US-480D/30/3+0-FM](#) [VAL-US-120/40/1+0-FM](#) [STCHSP121BT1RU](#) [LP-BFDN-CW](#) [LP-](#)  
[STRL-NFF](#) [LP-STRL-DFE](#) [GUS22](#) [0804111](#) [5053609](#) [5053201](#) [SPD2-150-1P0](#) [SPD2-550-1P0](#) [6720005416](#) [6720005417](#) [1-2191595-2](#)  
[STC-CAT6-P0E-I](#) [SPD2-350-1P0](#) [FLT-CP-350-ST](#) [TTC-6P-3-HF-F-M-12DC-UT-I](#) [SMTPA200](#) [2800989](#) [2906776](#) [2906810](#) [2906847](#)