

Surge protection device - C-TV/HIFI - 2857002

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Attachment plug with surge protection for antenna inputs with TV connector

Your advantages

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

RoHS

IP20

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 915186
GTIN	4017918915186

Technical data

Dimensions

Height	40 mm
Width	28 mm
Depth	61 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

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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	$\leq 1 \mu A$
Residual current I_{PE}	$\leq 1 \mu A$
Nominal discharge current I_n (8/20) μs (line-shield)	2.5 kA
Nominal pulse current I_{an} (10/1000) μs (line-shield)	120 A
Output voltage limitation at 1 kV/ μs (line-shield) spike	$\leq 600 V$
Output voltage limitation at 1 kV/ μs (line-shield) static	$\leq 600 V$
Residual voltage at I_n (line-shield)	$\leq 30 V$
Voltage protection level U_p (line-shield)	$\leq 700 V$ (C2 - 4 kV / 2 kA)
	$\leq 800 V$ (C2 - 5 kV/2,5 kA)
Response time t_A (line-shield)	$\leq 100 ns$
Input attenuation a_E , asym.	typ. 0.5 dB ($\leq 2.4 GHz / 75 \Omega$)
Cut-off frequency f_g (3 dB), asym. (shield) in 75 Ohm system	$> 1 GHz$
Frequency range	4.7 MHz ... 860 MHz
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)	$< 3 s$

Connection data

Connection method	PAL-TV (IEC 169-2)
Connection method IN	Socket
Connection method OUT	Male

Standards and Regulations

Standards/specifications	IEC 61643-21 2012
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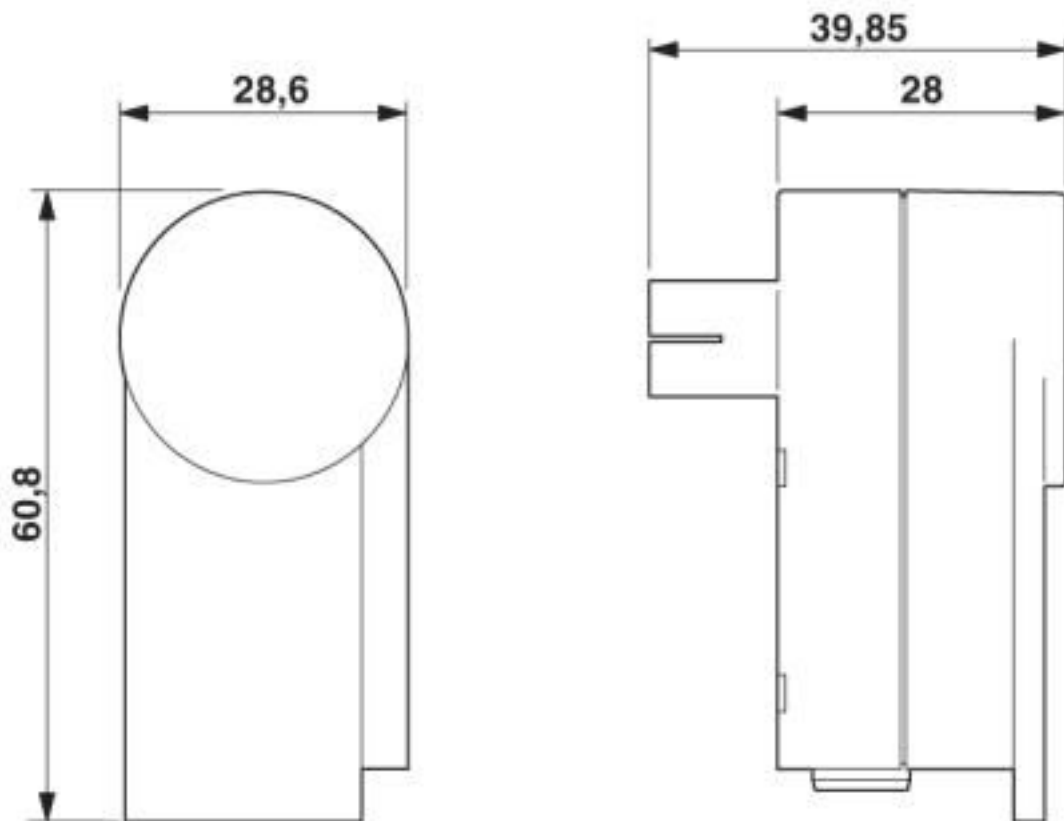
Technical data

Standards and Regulations

	EN 61643-21 2013
	EN 50083 CLASS-A

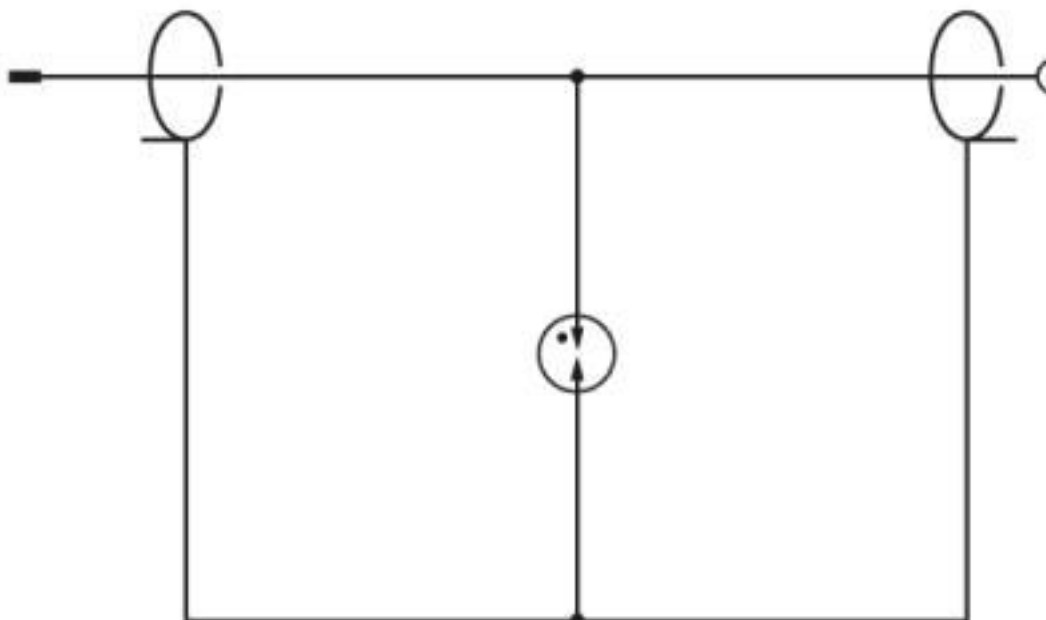
Drawings

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	EC001473
ETIM 3.0	EC001473
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

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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
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