

Type 3 surge protection device - MNT-TV-SAT B/F - 2882307

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Socket attachment plug with surge protection for the power supply unit and signal connection for radio and television equipment (cable, terrestrial antenna, satellite system). Cable is provided.



Your advantages

- ✓ Easy operation
- ✓ On/off button in the socket strip
- ✓ Thermal monitoring of the protective circuit
- ✓ For termination devices
- ✓ Connection to antenna junction box using separate cable
- ✓ Green LED - operating indicator for the power supply

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 073493
GTIN	4046356073493

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C

General

Housing material	PA 6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
For country-specific use in	B, F, CZ, SVK, PL
Mounting type	Plugging into the mains socket
Type	Attachment plug
Direction of action	L/N-PE & Signal Line-Shield-Earth Ground

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Technical data

Protective circuit, power supply

EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_C (L-N)	275 V AC
Arrester rated voltage U_C (L-PE)	360 V AC
Arrester rated voltage U_C (N-PE)	360 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Rated load current I_L	16 A (30 °C)
Standby power consumption P_C	≤ 1 VA
Residual current I_{PE}	≤ 5 μ A
Nominal discharge current I_n (8/20) μ s	3 kA ($> 5x$)
Combination wave U_{OC}	4 kV
Energy absorption symmetrical	140 J (L-N)
Energy absorption, asymmetrical	220 J (L(N)-PE)
Voltage protection level U_p (L-N)	≤ 1.2 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
Response time (L-N)	≤ 25 ns
Response time (L-PE)	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Surge protection fault message	optical
Max. required back-up fuse	16 A (gG / B / C)

Connection (protective circuit, power supply)

Connection method	Grounding plug/socket
Connection method IN	Protective contact plug CEE7
Connection method OUT	Protective contact socket CEE7

Protective circuit, information technology

Arrester rated voltage U_C	24 V DC
Rated current	1.5 A (25 °C)
Operating effective current I_C at U_C	≤ 1 μ A
Residual current I_{PE}	≤ 1 μ A
Insulation resistance R_{iso}	≥ 70 M Ω
	≥ 70 M Ω
Nominal discharge current I_n (8/20) μ s (line-earth)	2.5 kA
Nominal discharge current I_n (8/20) μ s (line-shield)	2.5 kA
Nominal discharge current I_n (8/20) μ s (shield-earth)	5 kA
Voltage protection level U_p (line-shield)	≤ 700 V (C2 - 2 kA)
Voltage protection level U_p (shield-earth)	≤ 1.2 kV (C2 - 5 kA)
Response time t_A (line-shield)	≤ 100 ns
Response time t_A (shield-earth)	≤ 100 ns

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Technical data

Protective circuit, information technology

Input attenuation aE, asym.	typ. 0.3 dB (≤ 2.4 GHz)
Cut-off frequency f _g (3 dB), asym. (shield) in 75 Ohm system	typ. 2.5 GHz
Frequency range	0 Hz ... 2400 MHz
Capacity asymmetrical (shield)	typ. 10 pF
Nominal pulse current i _{an} (10/1000) μ s, asym. (shield)	120 A
Residual voltage at I _n (line-shield)	≤ 40 V
Residual voltage at I _n (shield-earth)	≤ 50 V
Impulse durability (line-shield)	C2 - 4 kV/2 kA C3 - 7.5 kV/100 A
Impulse durability (shield-earth)	C2 - 10 kV/5 kA C3 - 7.5 kV/100 A D1 - 1 kA
Alternating current carrying capacity (line-shield)	5 A - 1 s
Alternating current carrying capacity (shield-earth)	10 A - 1 s
Pulse reset time (line-shield)	≤ 4 s

Power supply, general

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

Connection, equipotential bonding, information technology

Connection method	Via protective contact plug
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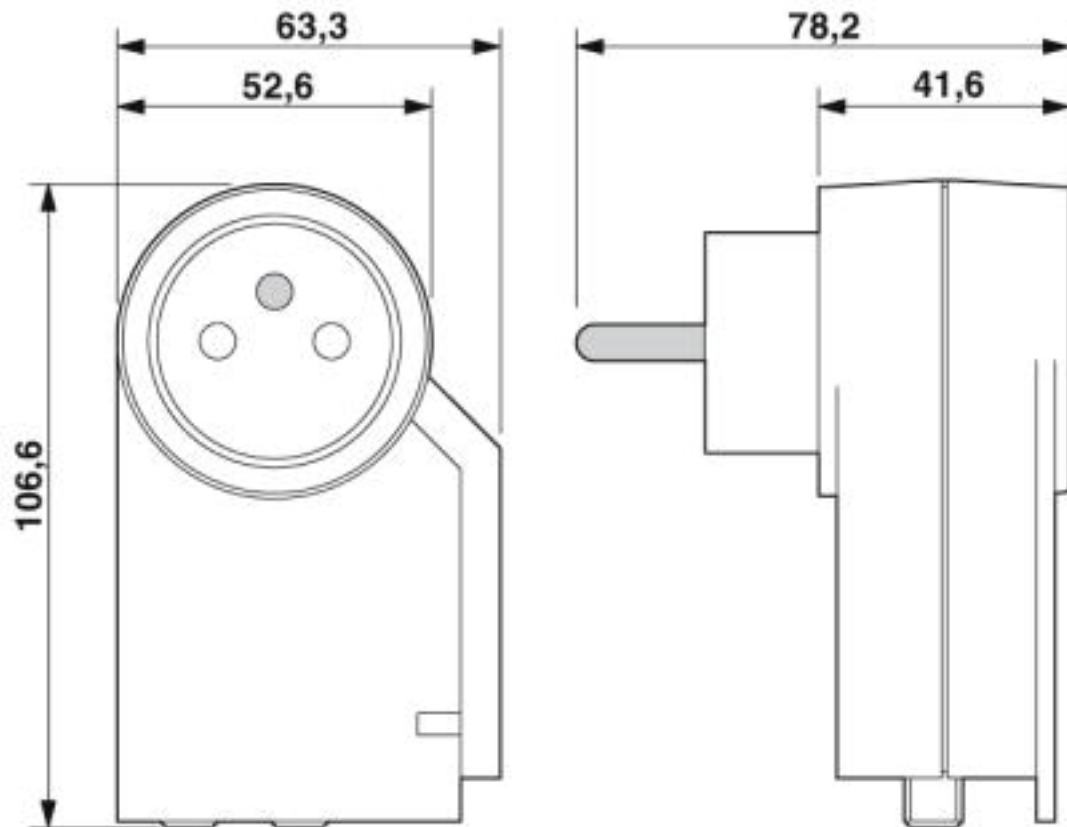
Standards (protective circuit, information technology)

IEC test classification	C2
	C3
	D1

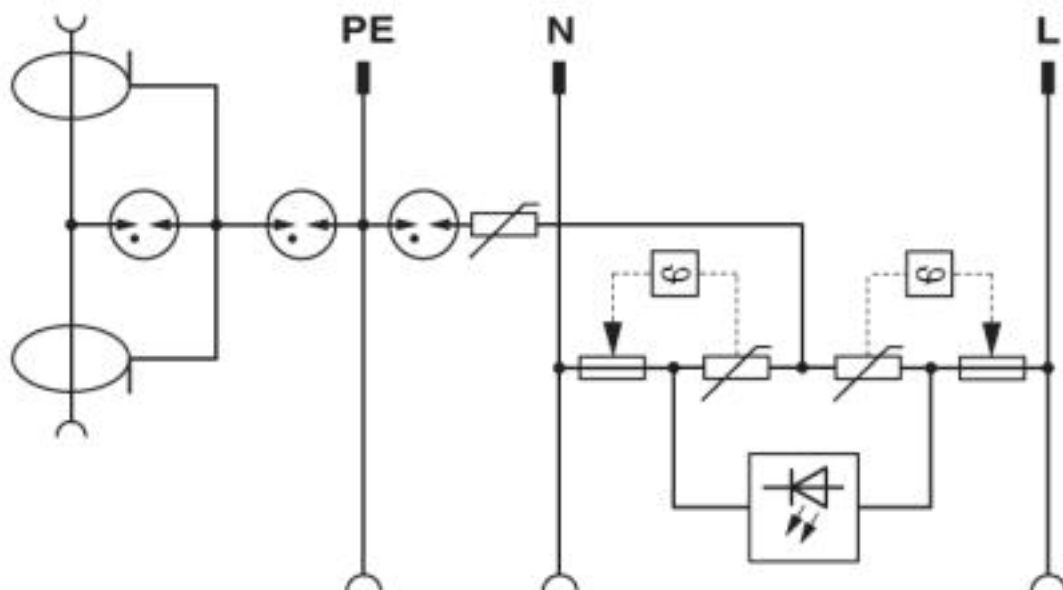
Drawings

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Dimensional drawing



Circuit diagram



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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B01561
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>