

Type 3 surge protection device - MNT-NET B/F - 2882226

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Attachment plug with surge protection for mains sockets, optical power and error display.

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 073530
GTIN	4046356073530

Technical data

Dimensions

Height	76 mm
Width	56 mm
Depth	79 mm

Ambient conditions

Degree of protection	IP20 (Child-proofing)
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

General

EN type	T3
Number of ports	One
Mode of protection	L-N
	L-PE
	N-PE
Mounting type	Plugging into the mains socket
Color	jet black RAL 9005

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Technical data

General

Housing material	PA 6
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Attachment plug
Surge protection fault message	optical
For country-specific use in	B, F, CZ, SVK, PL

Protective circuit

Nominal voltage U_N	230/400 V AC (TN)
	230/400 V AC (TT - only in use with RCD)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C (L-N)	275 V AC
Maximum continuous operating voltage U_C (L-PE)	360 V AC
Maximum continuous operating voltage U_C (N-PE)	360 V AC
Rated load current I_L	16 A (30 °C)
Residual current I_{PE}	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs	3 kA ($> 5x$)
Standby power consumption P_C	$\leq 1 VA$
Reference test voltage U_{REF}	255 V AC
Combination wave U_{OC}	4 kV
Voltage protection level U_p (L-N)	$\leq 1.2 kV$
Voltage protection level U_p (L-PE)	$\leq 1.5 kV$
Voltage protection level U_p (N-PE)	$\leq 1.5 kV$
TOV behavior at U_T (L-N)	335 V AC (5 s / withstand mode)
	440 V AC (120 min / safe failure mode)
TOV behavior at U_T (L-PE)	440 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
	1455 V AC (200 ms / safe failure mode)
TOV behavior at U_T (N-PE)	1200 V AC (200 ms / safe failure mode)
Response time t_A (L-N)	$\leq 25 ns$
Response time t_A (L-PE)	$\leq 100 ns$
Response time t_A (N-PE)	$\leq 100 ns$
Max. required back-up fuse	16 A (gG / B / C)
Short-circuit current rating I_{SCCR}	1.5 kA AC
Max. backup fuse with branch wiring	16 A (gG / B / C)

Connection data

Connection method	Grounding plug/socket
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Standards and Regulations

Standards/specifications	IEC 61643-11 2011
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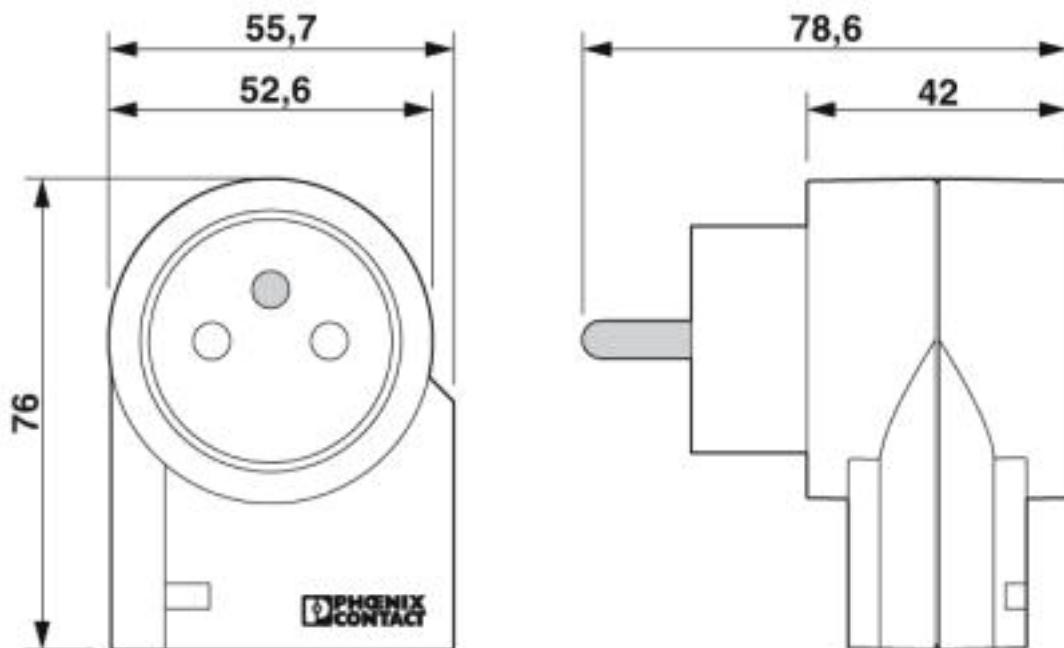
Technical data

Standards and Regulations

	EN 61643-11 2012
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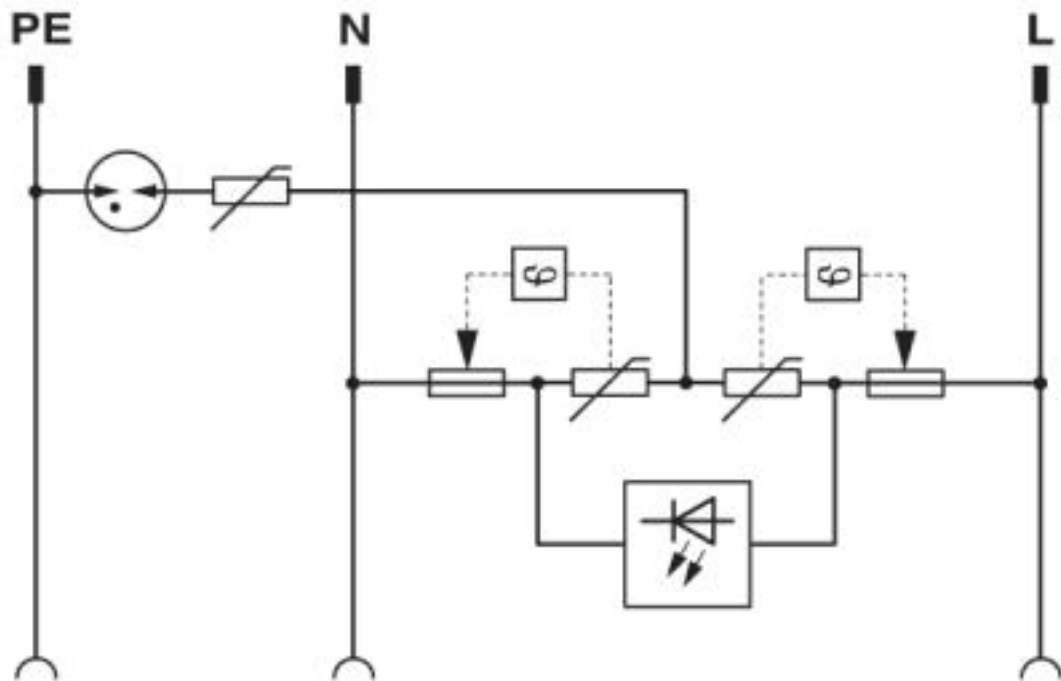
Drawings

Dimensional drawing



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Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC

EAC

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