

Type 3 surge protection device - MNT-ISDN D - 2882336

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Socket attachment plug with surge protection for the power supply unit and ISDN connection for telecommunications terminal equipment. Cable is provided.




Why buy this product

- ✓ Easy operation
- ✓ On/off button in the socket strip
- ✓ Combined power supply and ISDN protection
- ✓ Compact protection for termination devices
- ✓ Thermal monitoring of the protective circuit
- ✓ Green LED - operating indicator for the power supply
- ✓ Connection to telecommunications socket using separate cable

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 073417
GTIN	4046356073417
Custom tariff number	85363010

Technical data

Dimensions

Height	103 mm
Width	63 mm
Depth	78 mm

Ambient conditions

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

General

Housing material	PA 6
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Technical data

General

Flammability rating according to UL 94	V-0
Standards for clearances and creepage distances	EN 60664-1
	EN 61643-11
	EN 61643-1
Color	jet black RAL 9005
For country-specific use in	D, A, NL, E, S, FIN, TR
Mounting type	Plugging into the mains socket
Design	Attachment plug
Direction of action	L/N-PE & Signal Line-Earth Ground

Protective circuit, power supply

IEC test classification	III
	T3
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 type IN	Grounding plug
Connection type OUT	Grounding socket

Protective circuit, information technology

Arrester rated voltage U_C	6 V DC
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Protective circuit, information technology

Rated current	1.5 A (25 °C)
Operating effective current I_C at U_C	500 μ A
Residual current I_{PE}	$\leq 4 \mu$ A
Insulation resistance R_{iso}	$\geq 20 \text{ k}\Omega$
	$\leq 1000 \text{ M}\Omega$
Nominal discharge current I_n (8/20) μ s (Core-Core)	650 A
Nominal discharge current I_n (8/20) μ s (Core-Earth)	2.5 kA
Voltage protection level U_p (core-core)	$\leq 65 \text{ V}$ (C1 - 1 kV/500 A)
Voltage protection level U_p (core-ground)	$\leq 900 \text{ V}$ (C2 - 4 kV/2 kA)
Response time t_A (Core-Core)	$\leq 1 \text{ ns}$
Response time t_A (Core-Earth)	$\leq 100 \text{ ns}$
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	typ. 300 kHz
Capacity (Core-Core)	typ. 6 nF
Capacity (Core-Earth)	typ. 5 pF
Output voltage limitation at 1 kV/ μ s (wire-wire)	$\leq 10 \text{ V}$
Output voltage limitation at 1 kV/ μ s (wire-earth)	$\leq 900 \text{ V}$
Residual voltage at I_n (conductor-conductor)	$\leq 20 \text{ V}$
Residual voltage at I_n (conductor-ground)	$\leq 50 \text{ V}$
Impulse durability (conductor-conductor)	C2 - 1 kV / 500 A
	C3 - 7.5 kV/100 A
Impulse durability (conductor-ground)	C2 - 4 kV/2 kA
	C3 - 7.5 kV/100 A
Alternating current carrying capacity (conductor-conductor)	1 A - 1 s
Alternating current carrying capacity (conductor-ground)	10 A - 1 s
Pulse reset time (conductor-conductor)	$\leq 1 \text{ ms}$

Power supply, general

Connection method	RJ45
Connection type IN	RJ45 socket
Connection type OUT	RJ45 socket

Connection, equipotential bonding, information technology

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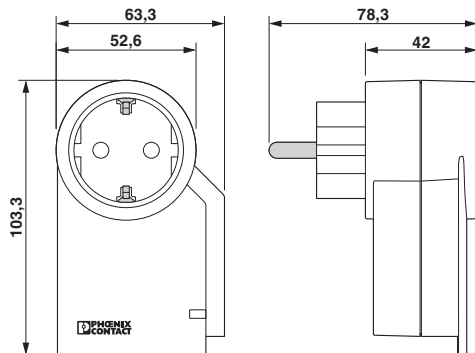
Standards (protective circuit, information technology)

IEC test classification	C1
	C2
	C3
	D1

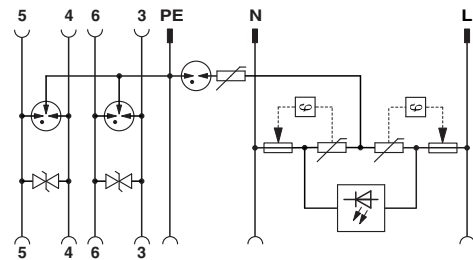
Drawings

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Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC 7500651.22.01.00243

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