Type 3 surge protection device - MNT-TELE E - 2882417

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Socket attachment plug with surge protection for the power supply and signal connection of an end device with analog or digital telecommunications interface (VDSL up to 50 Mbps, on short paths (< 300 m) up to 80 Mbps). Cable is included.

Your advantages

- Easy operation
- Thermal monitoring of the protective circuit
- Compact protection for termination devices
- Green LED - operating indicator for the power supply

Key Commercial Data

Packing unit	1
GTIN	4 046356 073486
GTIN	4046356073486
Custom tariff number	85363010

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	NL, E, I, S, FIN, TR

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Technical data

General

Mounting type	Plugging into the mains socket
Type	Attachment plug
Direction of action	L/N-PE & Signal Line-Earth Ground

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 µA
Nominal discharge current I_n (8/20) µs	3 kA (> 5x)
Combination wave U_{OC}	4 kV
Energy absorption symmetrical	140 J (L-N)
Enery 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	Grounding plug
Connection method OUT	Grounding socket

Protective circuit, information technology

Arrester rated voltage U_C	200 V DC
Rated current	150 mA (25 °C)
Operating effective current I_C at U_C	≤ 150 µA
Residual current I_{PE}	≤ 2 µA
Insulation resistance R_{iso}	≥ 1 MΩ

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Protective circuit, information technology

	≥ 1 GΩ
Nominal discharge current I_n (8/20) µs (line-line)	1 kA
Nominal discharge current I_n (8/20) µs (line-earth)	2.5 kA
Max. discharge current I_{max} (8/20) µs	2.5 kA
Voltage protection level U_p (line-line)	≤ 460 V (C2 - 1 kA)
	≤ 350 V (C3 - 25 A)
Voltage protection level U_p (line-earth)	≤ 900 V (C2 - 2 kA)
	≤ 900 V (C3 - 100 A)
Response time t_A (line-line)	≤ 25 ns
Response time t_A (line-earth)	≤ 100 ns
Cut-off frequency fg (3 dB), sym. in 100 Ohm system	typ. 4 MHz
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 3 MHz
Cut-off frequency fg (3 dB), sym. in 600 Ohm system	typ. 700 kHz
Capacity (line-line)	typ. 1 nF
Capacity (line-earth)	typ. 5 pF
Output voltage limitation at 1 kV/µs (wire-wire)	≤ 360 V
Residual voltage at I_n (line-line)	≤ 500 V
Residual voltage at I_n (line-earth)	≤ 30 V
Residual voltage with Ian (10/1000) µs (line-line)	≤ 35 V
Residual voltage with Ian (10/1000) µs (line-earth)	≤ 35 V
Impulse durability (line-line)	C2 - 2 kV / 1 kA
	C3 - 25 A
Impulse durability (line-earth)	C2 - 4 kV / 2 kA
	C3 - 100 A
	D1 - 500 A
Alternating current carrying capacity (line-line)	250 mA - 1 s
Alternating current carrying capacity (line-earth)	10 A - 1 s
Pulse reset time (line-line)	≤ 15 ms

Power supply, general

Connection method	RJ12
Connection method IN	RJ12 female connector
Connection method OUT	RJ12 female connector

Connection, equipotential bonding, information technology

Connection method	Via protective contact plug

Standards (protective circuit, information technology)

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Standards (protective circuit, information technology)

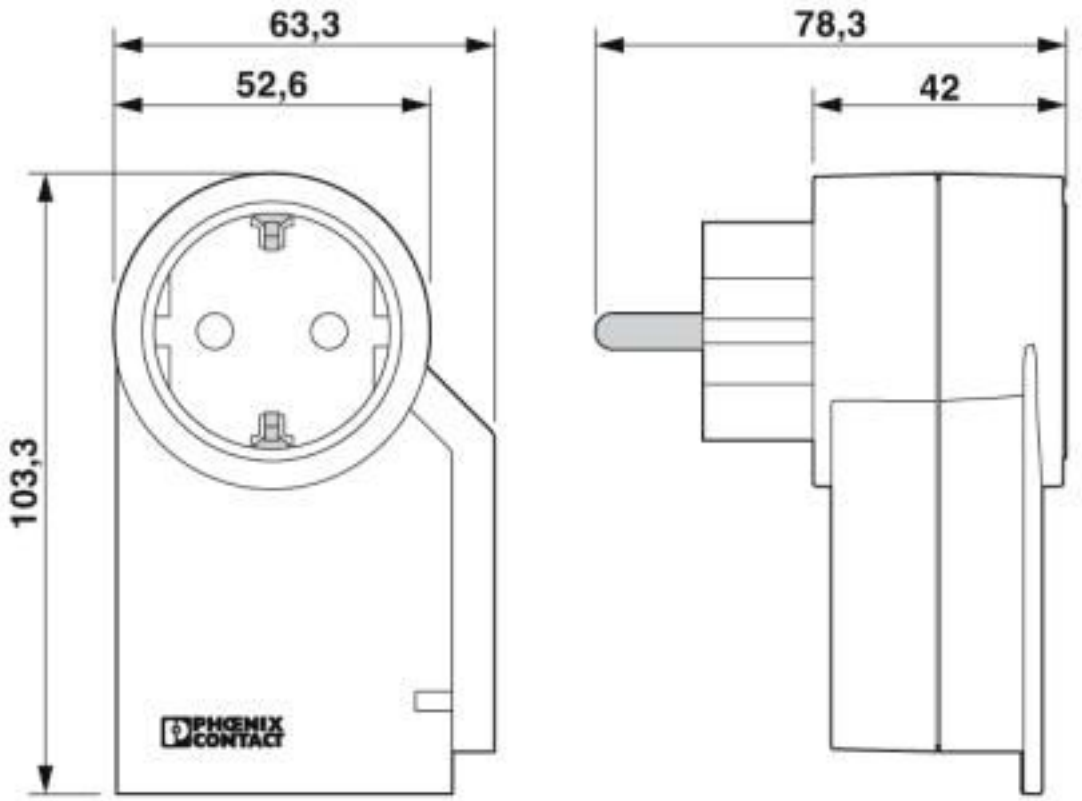
IEC test classification	C1
	C2
	C3
	D1

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

Drawings

Dimensional drawing



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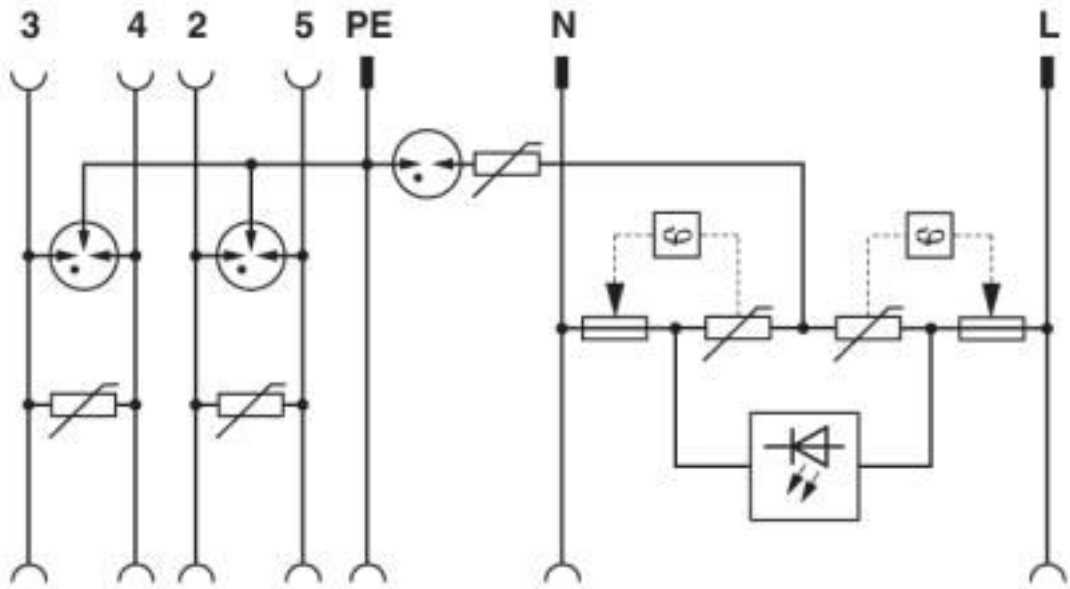
Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130806
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	27130810
eCl@ss 8.0	27130810
eCl@ss 9.0	27130806

ETIM

ETIM 2.0	EC001473
ETIM 3.0	EC001473
ETIM 4.0	EC000942
ETIM 5.0	EC001473
ETIM 6.0	EC000942
ETIM 7.0	EC000942

UNSPSC

UNSPSC 6.01	30212010

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UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
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	EAC	RU C-DE.A*30.B01561