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Type 3 surge protection device - MNT-1 CH II - 2882255

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Attachment plug with surge protection for mains sockets, optical power and fault display. Country-specific version: CH

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 046356 143547 |

Technical data

Dimensions

| | |
|--------|-------|
| Height | 76 mm |
| Width | 56 mm |
| Depth | 79 mm |

Ambient conditions

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

General

| | |
|---|--------------------------------|
| Housing material | PA 6 |
| Flammability rating according to UL 94 | V-0 |
| Color | jet black RAL 9005 |
| Standards for clearances and creepage distances | EN 60664-1 |
| | IEC 60664-1 |
| | IEC 61643-1 |
| | EN 61643-11 |
| Type | Attachment plug |
| Mounting type | Plugging into the mains socket |
| For country-specific use in | CH |
| Direction of action | L(N)-PE |

Protective circuit

| | |
|-------------------------|-----|
| IEC test classification | III |
| | T3 |

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Technical data

Protective circuit

| | |
|--|-------------------|
| 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) |
| 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 (L)) |
| 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 t_A (L-N) | ≤ 25 ns |
| Response time t_A (L-PE) | ≤ 100 ns |
| Response time t_A (N-PE) | ≤ 100 ns |
| Max. required back-up fuse | 10 A (gG / B / C) |
| Surge protection fault message | optical |

Non-heating apparatus connection, power supply

| | |
|---------------------|-----------------------|
| Connection method | Grounding plug/socket |
| Connection type IN | Grounding plug |
| Connection type OUT | Grounding socket |

Standards and Regulations

| | |
|--------------------------|-------------------|
| Standards/specifications | IEC 61643-11 2011 |
| | EN 61643-11 2012 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130806 |
| eCl@ss 7.0 | 27130806 |
| eCl@ss 8.0 | 27130806 |
| eCl@ss 9.0 | 27130806 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000942 |
| ETIM 3.0 | EC000942 |
| ETIM 4.0 | EC000942 |
| ETIM 5.0 | EC000942 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

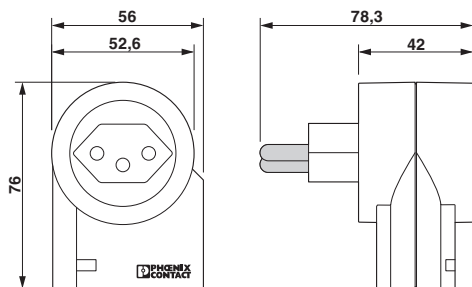
Approvals submitted

Approval details

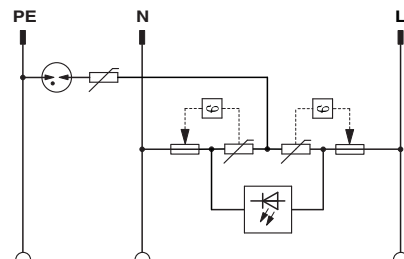
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Drawings

Dimensional drawing



Circuit diagram



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