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Type 3 surge protection plug - PLT-SEC-T3-230-P - 2905235

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Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 product range. 230 V nominal voltage.

Why buy this product

- Varistor-based device protection
- Can be used without separate backup fuse thanks to integrated overcurrent protection
- Pluggable
- Optical status indicator via LED
- Plugs can be checked with CHECKMASTER 2



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 939768 |
| Weight per Piece (excluding packing) | 29.1 g |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|------------------|---------|
| Height | 60.9 mm |
| Width | 17.5 mm |
| Depth | 44.8 mm |
| Horizontal pitch | 1 Div. |

Ambient conditions

| | |
|---|--|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Altitude | ≤ 2000 m (amsl (above mean sea level)) |
| Permissible humidity (operation) | 5 % ... 95 % |

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Technical data

Ambient conditions

| | |
|-----------------------|---|
| Shock (operation) | 30g (half sinus / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z) |

General

| | |
|--|---------------------|
| Standards/specifications | IEC 61643-11 2011 |
| | EN 61643-11 2012 |
| IEC test classification | III |
| | T3 |
| EN type | T3 |
| SPD design | Combination type |
| Mode of protection | L-N |
| | L-PE |
| | N-PE |
| | (L+) - (L-) |
| | (L+/L-) - PE |
| Mounting type | On base element |
| Color | light grey RAL 7035 |
| Housing material | PA 6.6-FR 20% GF |
| | PA 6.6-FR |
| Pollution degree | 2 |
| Flammability rating according to UL 94 | V-0 |
| Type | Male |
| Number of positions | 2 |
| Surge protection fault message | optical |

Protective circuit

| | |
|--|--------------------------------------|
| Nominal voltage U_N | 230 V AC (TN-S) |
| | 230 V AC (TT - only in use with RCD) |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Maximum continuous voltage U_C | 264 V AC |
| | 230 V DC |
| Residual current I_{PE} | $\leq 5 \mu A$ |
| Nominal discharge current I_n (8/20) μs | 3 kA |
| Standby power consumption P_C | ≤ 275 mVA (at U_{REF}) |
| | ≤ 300 mVA (at U_C) |
| Reference test voltage U_{REF} | 255 V AC |
| Combination wave U_{OC} | 6 kV |
| Voltage protection level U_p (L-N) | ≤ 1.35 kV |
| Voltage protection level U_p (L-PE) | ≤ 1.5 kV |
| Voltage protection level U_p (N-PE) | ≤ 1.5 kV |
| TOV behavior at U_T (L-N) | 440 V AC (5 s / withstand mode) |

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Technical data

Protective circuit

| | |
|---|--|
| | 440 V AC (120 min / withstand 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) | ≤ 25 ns |
| Response time t_A (L-PE) | ≤ 100 ns |
| Response time t_A (N-PE) | ≤ 100 ns |
| Short-circuit current rating I_{SCCR} | 1.5 kA AC |
| | 0.25 kA DC |

UL specifications

| | |
|---|--------------|
| UL class | SPD type 4CA |
| Maximum continuous operating voltage MCOV | 255 V AC |
| | 230 V DC |
| Nominal voltage | 230 V DC |
| Mode of protection | L-N |
| | L-G |
| | N-G |
| | (L+) - (L-) |
| | (L+) - G |
| | (L-) - G |
| Power distribution system | 1 |
| Nominal frequency | 50/60 Hz |
| Measured limiting voltage MLV (L-N) | 1270 V |
| Measured limiting voltage MLV (L-G) | 1280 V |
| Measured limiting voltage MLV (N-G) | 1208 V |
| Measured limiting voltage MLV (L+) - (L-) | 1270 V |
| Measured limiting voltage MLV (L+) - G | 1280 V |
| Measured limiting voltage MLV (L-) - G | 1280 V |
| Nominal discharge current I_n | 3 kA |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130806 |
| eCl@ss 8.0 | 27130806 |

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC000942 |
|----------|----------|

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Approvals

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KEMA-KEUR / CCA / IECB Scheme / UL Recognized / cUL Recognized / EAC / GL / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

KEMA-KEUR

CCA

IECEE CB Scheme

UL Recognized

cUL Recognized

EAC

GL

cULus Recognized

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Accessories

Accessories

Device marking

Label - EML (20XE)R - 0803452



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: continuous x 20 mm

Label - EML (20XE)R YE - 0803453



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: continuous x 20 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Additional products

Type 2 surge protection base element - PLT-SEC-T3-BE - 2905557

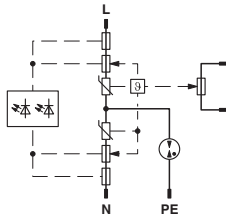


Base element for protective plugs from the PLUGTRAB SEC product series with remote indication contact.

Drawings

Type 3 surge protection plug - PLT-SEC-T3-230-P - 2905235

Circuit diagram



Dimensional drawing

