

Type 2 surge protection plug - VAL-SEC-T2-N/PE-350-P - 2905347

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Replacement plug for surge arresters from the VALVETRAB SEC product range for the N-PE path.

Your advantages

- ✓ High-performance gas-filled surge arrester for N/PE protection
- ✓ Extremely narrow design, just 12 mm per position
- ✓ High continuous voltage of 264 V AC for 230/400 V AC networks
- ✓ Pluggable
- ✓ Low voltage protection level of 1.5 kV
- ✓ Optical, mechanical status indicator
- ✓ Plugs can be checked with CHECKMASTER 2



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 948210 |
| GTIN | 4046356948210 |
| Weight per Piece (excluding packing) | 60.000 g |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 46.4 mm |
| Width | 11.7 mm |
| Depth | 59.4 mm |

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Technical data

Dimensions

| | |
|------------------|----------|
| Horizontal pitch | 0.6 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 % |
| Shock (operation) | 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (10 ... 500 Hz / 2.5 h / X, Y, Z) |

General

| | |
|--|---------------------|
| IEC test classification | II |
| | T2 |
| EN type | T2 |
| IEC power supply system | TN |
| | TT |
| Mode of protection | N-PE |
| Mounting type | on base element |
| Color | light grey RAL 7035 |
| Housing material | PA 6.6-FR 20 % GF |
| | PBT-FR |
| Degree of pollution | 2 |
| Flammability rating according to UL 94 | V-0 |
| Type | Male |
| Number of positions | 1 |
| Surge protection fault message | optical |

Protective circuit

| | |
|---|---------------------------|
| Nominal voltage U_N | 240 V AC (TN - only N-PE) |
| | 240 V AC (TT - only N-PE) |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Maximum continuous voltage U_C | 264 V AC |
| Residual current I_{PE} | ≤ 1 μA |
| Nominal discharge current I_n (8/20) μs | 20 kA |
| Maximum discharge current I_{max} (8/20) μs | 40 kA |
| Follow current interrupt rating I_{fi} | 100 A (264 V AC) |
| Voltage protection level U_p | ≤ 1.5 kV |

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Protective circuit

| | |
|--|-------------------------------------|
| Residual voltage U_{res} | ≤ 0.5 kV (at I_n) |
| | ≤ 0.5 kV (at 10 kA) |
| | ≤ 0.5 kV (at 5 kA) |
| | ≤ 0.5 kV (at 4 kA) |
| | ≤ 0.5 kV (at 2 kA) |
| Front of wave sparkover voltage at 6 kV (1.2/50) μ s | ≤ 1.5 kV |
| TOV behavior at U_T | 1200 V AC (200 ms / withstand mode) |
| Response time t_A | ≤ 100 ns |

Connection data

| | |
|-------------------|-----------|
| Connection method | pluggable |
|-------------------|-----------|

UL specifications

| | |
|---|--------------|
| SPD Type | 4CA |
| Maximum continuous operating voltage MCOV (N-G) | 264 V AC |
| Mode of protection | N-G |
| Power distribution system | Single phase |
| Nominal frequency | 50/60 Hz |
| Measured limiting voltage MLV (N-G) | 950 V |
| Nominal discharge current I_n (N-G) | 20 kA |

Standards and Regulations

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

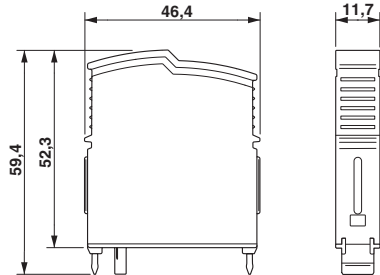
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Type 2 surge protection plug - VAL-SEC-T2-N/PE-350-P - 2905347

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27130890 |
| eCl@ss 11.0 | 27130890 |
| 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 | 27130805 |
| eCl@ss 9.0 | 27130890 |

ETIM

| | |
|----------|----------|
| ETIM 6.0 | EC000941 |
| ETIM 7.0 | EC000941 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121620 |
| UNSPSC 18.0 | 39121620 |
| UNSPSC 19.0 | 39121620 |
| UNSPSC 20.0 | 39121620 |
| UNSPSC 21.0 | 39121620 |

Approvals

Approvals

Approvals








DNV GL / CCA / UL Recognized / KEMA-KEUR / cUL Recognized / IECCE CB Scheme / EAC / cULus Recognized

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Approvals

Ex Approvals

Approval details

| | | | |
|------------------|---|---|-------------------------|
| DNV GL |  | https://approvalfinder.dnvgl.com/ | TAE000023D |
| CCA | | | NTR-NL 7347 |
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 330181 |
| KEMA-KEUR |  | http://www.dekra-certification.com | 2196453.01 |
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 330181 |
| IECEE CB Scheme |  | http://www.iecee.org/ | NL-34356 |
| EAC |  | | RU C- DE.*09.B.00169 |
| cULus Recognized |  | | |

Accessories

Accessories

Device marking

Type 2 surge protection plug - VAL-SEC-T2-N/PE-350-P - 2905347

Accessories

Label - EML (20XE)R - 0803452



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: continuous x 20 mm

Label - EML (20XE)R YE - 0803453



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: continuous x 20 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm