

Type 2 surge protection plug - VAL-CP-N/PE-350-ST - 2859699


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Replacement plug for VAL-CP surge arrester with N-PE spark gap.



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 10 pc |
| GTIN |  4 017918 977627 |
| GTIN | 4017918977627 |

Technical data

Dimensions

| | |
|------------------|----------|
| Height | 46.4 mm |
| Width | 11.7 mm |
| Depth | 56.4 mm |
| 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 |

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General

| | |
|--|---|
| IEC power supply system | TN |
| | TT |
| Mode of protection | N-PE |
| Mounting type | on base element |
| Color | gray/blue |
| Housing material | PBT-FR |
| Degree of pollution | 2 |
| Flammability rating according to UL 94 | V-0 |
| Type | DIN rail module, two-section, divisible |
| 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 (N-PE) | 264 V AC |
| Residual current I_{PE} | $\leq 1 \mu A$ |
| Nominal discharge current I_n (8/20) μs (N-PE) | 20 kA |
| Maximum discharge current I_{max} (8/20) μs (N-PE) | 40 kA |
| Follow current interrupt rating I_{fi} (N-PE) | 100 A (264 V AC) |
| Voltage protection level U_p (N-PE) | ≤ 1.5 kV |
| Residual voltage U_{res} (N-PE) | ≤ 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) |
| TOV behavior at U_T (N-PE) | 1200 V AC (200 ms / withstand mode) |
| Response time t_A (N-PE) | ≤ 100 ns |

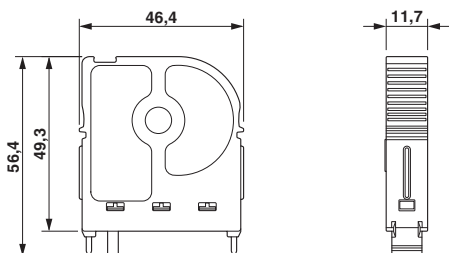
UL specifications

| | |
|---|--------------|
| 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 |

Drawings

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Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

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

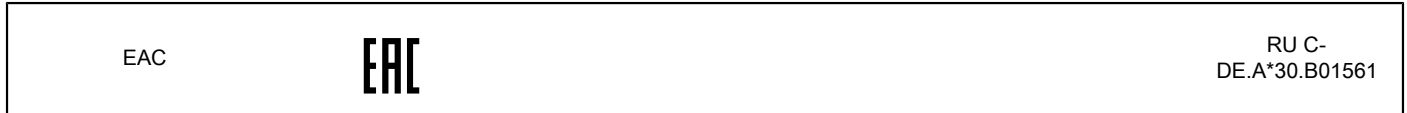
Ex Approvals

Approval details

| | | | |
|-----------------|--|---|---------------|
| GL | | http://exchange.dnv.com/tari/ | 94387-10 HH |
| CCA | | | NTR-NL 7221 |
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 330181 |
| KEMA-KEUR | | http://www.dekra-certification.com | 2161502.01 |
| 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-29957 |

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Approvals



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