

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 | 1 pc |
| Weight per Piece (excluding packing) | 48.48 GRM |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

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

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 sinus / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (10 - 500 Hz / 2.5 h / X, Y, Z) |

General

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

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Technical data

General

| | |
|---|---|
| | EN 61643-11 2012 |
| IEC test classification | II |
| | T2 |
| EN type | T2 |
| SPD design | Voltage-switching type |
| Mode of protection | N-PE |
| Mounting type | On base element |
| Color | gray/blue |
| Housing material | PBT-FR |
| Pollution degree | 2 |
| Inflammability class 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) |
| Front of wave sparkover voltage at 6 kV (1.2/50) μs (N-PE) | ≤ 1.5 kV |
| TOV behavior at U_T (N-PE) | 1200 V AC (200 ms / withstand mode) |
| Response time t_A (N-PE) | ≤ 100 ns |

NEMA/UL protective circuit

| | |
|---|------------------------------------|
| UL class | Type 4 SPD for Type 2 applications |
| Maximum continuous operating voltage MCOV (N-G) | 264 V AC |
| Mode of protection | N-G |

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Technical data

NEMA/UL protective circuit

| | |
|---------------------------------------|------------------|
| Power distribution system | 1 |
| Nominal frequency | 50/60 Hz |
| Voltage protection rating VPR (N-G) | 1.2 kV |
| Nominal discharge current I_n (N-G) | 20 kA |
| Follow current (N-G) | 200 A (264 V AC) |

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 | 27130805 |
| eCl@ss 7.0 | 27130805 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000941 |
| ETIM 3.0 | EC000941 |
| ETIM 4.0 | EC000941 |
| ETIM 5.0 | EC000941 |

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / KEMA-KEUR / cUL Recognized / GOST / GL / IECCEB Scheme / CCA / cULus Recognized


Ex Approvals


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


Approvals


Approvals submitted

Approval details

UL Recognized 

KEMA-KEUR 

cUL Recognized 

GOST 

GL

IECEE CB Scheme 

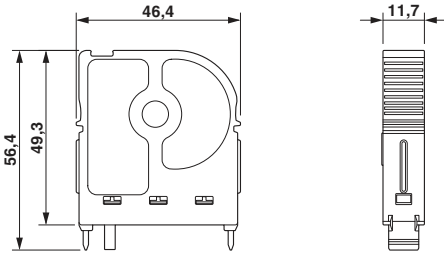
CCA

cULus Recognized 

Drawings

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Dimensioned drawing



Circuit diagram

