Extract from the online catalog

# VAL-CP-350-ST

Order No.: 2859602

Type 2 arrester replacement plug (surge arrester) with high-capacity varistor with low leakage current.

Product notes

WEEE/RoHS-compliant since: 09/12/2006

| Commercial data | |
|---|---|
| EAN | 4017918956509 |
| Pack | 10 pcs. |
| Customs tariff | 85363030 |
| Weight/Piece | 0.05154 KG |
| Catalog page information | Page 156 (NTK-2008) |

## Technical data

### Standards

| | |
|---|---|
| Housing material | PBT |
| Inflammability class acc. to UL 94 | V0 |
| Color | gray |

| | |
|---|---|
| Standards for air and creepage distances | DIN VDE 0110-1 |
| | IEC 60664-1: 1992-10 |
| | IEC 61643-1 |
| Surge voltage category | III |
| Pollution degree | 2 |
| Degree of protection | IP20 |
| Mounting type | On base element |
| Design | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Message surge protection faulty | Optical |
| Direction of action | L-N / L-PEN |

**Protective circuit**

| | |
|---|---|
| IEC category | II |
| EN type | T2 |
| Arrester rated voltage $U_C$ | 350 V AC |
| Nominal frequency $f_N$ | 50 Hz |
| | 60 Hz |
| Discharge current to PE at $U_C$ | ≤ 250 µA (ground conductor current $I_{PE}$) |
| Power consumption without load Pc | ≤ 3.5 mW |
| Max. discharge surge current Imax (8/20) µs | 40 kA |
| Nominal discharge surge current $I_n$ (8/20) µs | 20 kA |
| Protection level Up | ≤ 1.5 kV |
| Residual voltage | ≤ 1.4 kV (at In) |
| | ≤ 1.2 kV (at 10 kA) |
| | ≤ 1.1 kV (at 5 kA) |
| | ≤ 1 kV (at 3 kA) |
| SVR clamp voltage | ≤ 0.9 kV |
| Clamping voltage ringwave | ≤ 1.2 kV (category C3 20 kV/10 kA) |
| | ≤ 1.1 kV (category C2 10 kV/5 kA) |
| | ≤ 1 kV (category B3/C1 6 kV/3 kA) |
| Response time | ≤ 25 ns |
| Max. required backup fuse with branch wiring | 125 A (gL/gG) |
| Short circuit resistance $I_{CC}$ with max. backup fuse (effective) | 25 kA |

| Connection, protective circuit | |
|---|---|
| Connection type IN | FLASHTRAB/VALVETRAB plug-in system |
| Connection type OUT | FLASHTRAB/VALVETRAB plug-in system |

| Environmental conditions | |
|---|---|
| Standards/regulations | IEC 61643-1 |
| | EN 61643-11 |
| | UL 1449 |
| | IEEE C62.1 |
| | IEEE C62.34 |
| | IEEE C62.45 |

## Certificates / Approvals

| | |
|---|---|
| Certification | CB, CUL, GOST, KEMA, UL |