

## Combination arrester V50, 1-pole with FS 280 V



Lightning current combination arrester, type 2

- For the equipotential bonding of lightning current to VDE 0185-305 (IEC 62305)
- Lightning current discharge capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Halogen-free plastic (UL 94 V-0)
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lightning current equipotential bonding for buildings of class III and IV.

| Type         | Highest continuous voltage AC V | Pole version | Protection rating | Pack. pcs | Weight kg/100 pcs. | Item No. |
|--------------|---------------------------------|--------------|-------------------|-----------|--------------------|----------|
| V50-1+FS-280 | 280                             | 1            | IP20              | 1         | 16,600             | 5093502  |

**PA** Polyamide

### Dimensions

### Connection options



| Parameter  | Value                      |
|--|----------------------------|
| SPD to EN 61643-11   | Type 1+2                   |
| SPD to IEC 61643-11  | Class I+II                 |
| SPD to UL 1449   | Type 4                     |
| Nominal voltage AC (50 / 60 Hz) V                                  | $U_n$ 230                  |
| Maximum continuous voltage AC V                                    | $U_c$ 280                  |
| Nominal discharge current (8/20 $\mu$ s) kA                        | $I_{n/L-N}$ 30             |
| Maximum discharge current (8/20 $\mu$ s) kA                        | $I_{max}$ 50               |
| Lightning surge current (10/350 $\mu$ s) kA                        | $I_{imp}$ 12,5             |
| Total discharge current (10/350) kA                                | $I_{total}$ —              |
| Arrester surge current (8/20 $\mu$ s) [total] kA                   | $I_{total}$ —              |
| Protection level [L-N] kV  | $U_p$ 1,3                  |
| Residual voltage [L-N] @ 1 kA kV                                   | $U_{res}$ 1                |
| Residual voltage [L-N] @ 5 kA kV                                   | $U_{res}$ 1                |
| Max. mains-side overcurrent protection                             | 160 A gL/gG                |
| Short-circuit withstand for max. mains-side overcurrent protection | 50 kA eff                  |
| Operating temperature range °C                                     | $T_u$ -40-80               |
| Protection rating  | IP20                       |
| Approvals  | ÖVE                        |
| FM contacts  | Changeover                 |
| Switching power AC   | 230 V; 0,5 A               |
| Switching power DC   | 230 V; 0,1 A / 75 V; 0,5 A |
| Connection cross-section, FM terminals mm <sup>2</sup>             | 0-2                        |
| Connection cross-section, FM terminals AWG                         | 21-16                      |
| Cable cross-section, flexible (fine-wire) mm <sup>2</sup>          | 1,5-35                     |
| Rigid cable cross-section (single wire/multiwire) mm <sup>2</sup>  | 1,5-35                     |
| Cable cross-section, flexible (fine-wire) AWG                      | 16-2                       |
| Rigid cable cross-section (single wire/multiwire) AWG              | 16-2                       |