

Combination arrester V50, 3-pole + NPE 280 V



Lightning current combination arrester, type 1+2

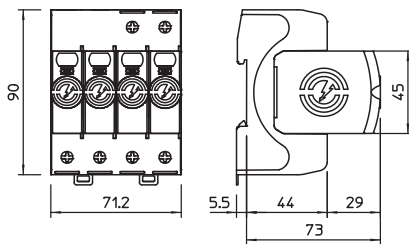


- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrester with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage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

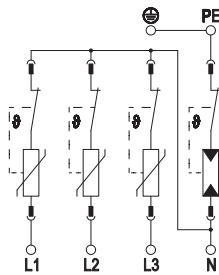
Application: Lightning current equipotential bonding for buildings of class III and IV.

| Type | Highest continuous voltage AC V | Pole version | Protection rating | Pack. pcs | Weight kg/100 pcs. | Item No. |
|---------------|---------------------------------|--------------|-------------------|-----------|--------------------|----------|
| V50-3+NPE-280 | 280 | 3+N/PE | IP20 | 1 | 58,800 | 5093526 |

Dimensions



Connection options



V50-3+NPE-280

| | |
|--|-------------------------|
| 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 μs) kA | I _{n/L-N} 30 |
| Maximum discharge current (8/20 μs) kA | I _{max} 50 |
| Lightning surge current (10/350 μs) kA | I _{imp} 12,5 |
| Total discharge current (10/350) kA | I _{total} 50 |
| Arrester surge current (8/20 μs) [total] kA | I _{total} 80 |
| Protection level [L-N] kV | U _p 1,3 |
| Combined voltage protection level [L-PE] kV | U _{p/L-PE} 2,5 |
| Residual voltage [L-N] @ 1 kA kV | U _{res} 0,7 |
| Residual voltage [L-N] @ 5 kA kV | U _{res} 0,8 |
| 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 |
| Cable cross-section, flexible (fine-wire) mm ² | 1,5-35 |
| Rigid cable cross-section (single wire/multiwire) mm ² | 1,5-35 |
| Cable cross-section, flexible (fine-wire) AWG | 16-2 |
| Rigid cable cross-section (single wire/multiwire) AWG | 16-2 |