

Surge arrestor V20, 1-pole + NPE, 280 V



Surge arrestor, type 2

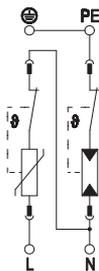
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Halogen-free plastic (UL 94 V-0)
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

| Type | Highest Pole continuous voltage AC V | Pole version | Protection rating | Pack. pcs | Weight kg/100 pcs. | Item No. |
|---------------|--------------------------------------|--------------|-------------------|-----------|--------------------|-----------|
| V20-1+NPE-280 | 280 | 1+N/PE | IP20 | 1 | 24,300 | 5095 25 1 |

Dimensions

Connection options



V20-1+NPE-280

| | |
|---------------------------------------------------------------------|------------------------|
| SPD to EN 61643-11 | Type 2 |
| SPD to IEC 61643-11 | class 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 20 |
| Maximum discharge current (8/20 μs) kA | I _{max} 40 |
| Arrestor surge current (8/20 μs) [total] kA | I _{total} 60 |
| Protection level [L-N] kV | U _p 1,3 |
| Protection level [L-N] @ 1 kA kV | U _{res} 1 |
| Protection level [L-N] @ 5 kA kV | U _{res} 1 |
| Max. mains-side overcurrent protection | 160 A gL/gG |
| Short-circuit resistance for max. mains-side overcurrent protection | 50 kA eff |
| Operating temperature range °C | T _u -40-80 |
| Protection rating | IP20 |
| Approvals | UL |
| 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 |