

DA-275 V/3+1

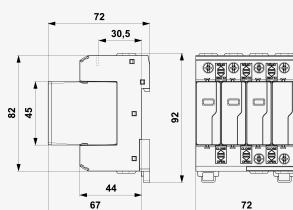
SPD - for low voltage / SPD type 3 / Basic

Three-phase surge protection connected in the 3+1 mode for TN and TT systems
pluggable module, visual fault signalling, module locking

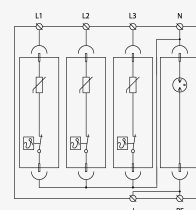
- combination of varistor SPD and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value | |
|---|-----------------|-------------|
| Type of SPD | T3 | |
| Mounting | DIN rail 35 mm | |
| Nominal voltage | U_n | 230 V AC |
| Maximum operating voltage L-N | U_c | 275.00 V AC |
| Maximum operating voltage N-PE | U_c | 255.00 V AC |
| Type of network | TT | |
| Maximum overcurrent protection | 63 A gL/gG | |
| Short-circuit current rating | I_{SCCR} | 25.0 kA |
| Nominal discharge current (8/20 μ s) L-N | I_n | 5.00 kA |
| Nominal discharge current (8/20 μ s) N-PE | I_n | 10.00 kA |
| Test voltage L-N | U_{oc} | 10.0 kV |
| Test voltage N-PE | U_{oc} | 20.0 kV |
| Voltage protection level mode L-N | U_p | 1.00 kV |
| Voltage protection level mode L-PE | U_p | 1.50 kV |
| Voltage protection level mode N-PE | U_p | 1.50 kV |
| Response time | t_a | 25 ns |
| Response time L-N | t_a | 25 ns |

| | | |
|--|-------|-------------------------------------|
| Response time N-PE | t_a | 100 ns |
| TOV 5 s L-N | | 335 V |
| TOV characteristic (TOV 5 s) | | withstand |
| TOV 120 min L-N | | 440 V |
| TOV characteristic (120 min) | | safe failure |
| TOV 200 ms L-PE | | 1 455 V |
| TOV 200 ms N-PE | | 1 200 V |
| TOV characteristic (TOV 200 ms) | | safe failure |
| Cross-section of connected conductors solid (min) | | 1.00 mm ² |
| Cross-section of connected conductors solid (max) | | 35.00 mm ² |
| Cross-section of connected conductors stranded (min) | | 1.00 mm ² |
| Cross-section of connected conductors stranded (max) | | 25.00 mm ² |
| Fault indication L-N | | red indication field |
| Fault indication N-PE | | no |
| Degree of protection | | IP 20 |
| Range of ambient temperatures (min/max) | | -40 / 80 °C |
| Humidity | | 5 - 95 % |
| According to standard | | EN 61643-11:2012, IEC 61643-11:2011 |
| ETIM Class | | EC000942 |
| Customs tariff number | | 85363030 |
| EAN | | 8595090518488 |
| Order number | | A01848 |