# DA-275 V/1S+1

## SPD - for low voltage / SPD type 3 / Basic

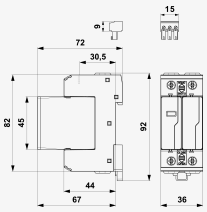
Single-phase surge protection connected in the 1+1 mode for TN and TT systems

pluggable module, visual fault signalling, module locking, remote fault signalling

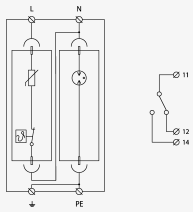
- combination of varistor SPD and encapsulated spark gap, connected in the 1+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



**Product dimensions**




**Basic circuit diagram**




| Parameter name | | Parameter value |
|---|---|---|
| Type of SPD | | T3 |
| Mounting | | DIN rail 35 mm |
| Nominal voltage | $U_n$ | 230.00 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 µs) L-N | $I_n$ | 5.00 kA |
| Nominal discharge current (8/20 µs) 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 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 $mm^2$ |
| Cross-section of remote indication conductors solid (max) | 1.5 $mm^2$ |
| Cross-section of remote indication conductors stranded (max) | 1.5 $mm^2$ |
| Fault indication L-N | red indication field |
| Fault indication N-PE | no |
| Remote indication | potential-free change-over contact |
| Remote indication contacts | 250V/0,5A AC,250V/0,1A DC |
| 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 | 8595090519751 |
| Order number | A01975 |