

# DA-275 V/1+1

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

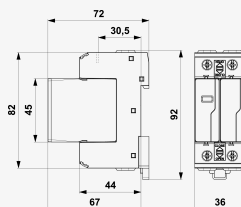
Single-phase surge protection connected in the 1+1 mode for TN and TT systems

pluggable module, visual fault signalling, module locking

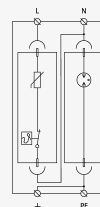
- combination of varistor SPD and encapsulated spark gap, connected in the 1+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



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 $\mu$ s) L-N  | $I_n$      | 5.00 kA         |
| Nominal discharge current (8/20 $\mu$ 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 <sup>2</sup>                |
| Cross-section of connected conductors solid (max)    |       | 35.00 mm <sup>2</sup>               |
| Cross-section of connected conductors stranded (min) |       | 1.00 mm <sup>2</sup>                |
| Cross-section of connected conductors stranded (max) |       | 25.00 mm <sup>2</sup>               |
| 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                                                  |       | 8595090518723                       |
| Order number                                         |       | A01872                              |