

# DA-275-DF16-S

## SPD - for low voltage / SPD type 3 / With RFI filter

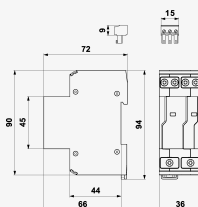
Surge protection with RFI filter

visual and remote fault signalling

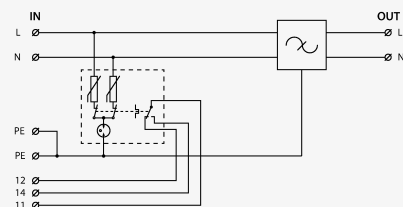
- surge protection with integrated RFI filter
- installation to LV installations, close to protected equipment
- for protection of power lines of I&C, electronic security and fire detection systems, etc. against impact of surge voltage and RF disturbance



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                                             | $U_c$      | 275.00 V AC          |
| Nominal load current                                                  | $I_L$      | 16.000 A             |
| Type of network                                                       |            | TN                   |
| Maximum overcurrent protection                                        |            | 16 A gL/gG or C 16 A |
| Short-circuit current rating                                          | $I_{SCCR}$ | 6.0 kA               |
| Filter attenuation at 1MHz (50 $\Omega$ //50 $\Omega$ ) unsymmetrical |            | 30 dB                |
| Nominal discharge current (8/20 $\mu$ s) L-N                          | $I_n$      | 3.00 kA              |
| Nominal discharge current (8/20 $\mu$ s) L+N-PE                       | $I_n$      | 5.00 kA              |
| Nominal discharge current (8/20 $\mu$ s) N-PE                         | $I_n$      | 3.00 kA              |
| Test voltage L-N                                                      | $U_{oc}$   | 6.0 kV               |
| Test voltage L+N-PE                                                   | $U_{oc}$   | 10.0 kV              |
| Test voltage N-PE                                                     | $U_{oc}$   | 6.0 kV               |
| Voltage protection level mode L-N                                     | $U_p$      | 1.20 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 5 s L-PE                                                 |       | 440 V                               |
| TOV characteristic (TOV 5 s)                                 |       | withstand                           |
| TOV 120 min L-N                                              |       | 440 V                               |
| TOV 120 min L-PE                                             |       | 335 V                               |
| TOV characteristic (120 min)                                 |       | withstand                           |
| TOV 200 ms L-PE                                              |       | 1 200 V                             |
| TOV 200 ms N-PE                                              |       | 1 455 V                             |
| TOV characteristic (TOV 200 ms)                              |       | safe failure                        |
| Cross-section of connected conductors solid (max)            |       | 6.00 mm <sup>2</sup>                |
| Cross-section of connected conductors stranded (max)         |       | 6.00 mm <sup>2</sup>                |
| Cross-section of remote indication conductors solid (max)    |       | 1.5 mm <sup>2</sup>                 |
| Cross-section of remote indication conductors stranded (max) |       | 1.5 mm <sup>2</sup>                 |
| Fault indication                                             |       | red indication field                |
| 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                         |
| According to standard                                        |       | EN 61643-11:2012, IEC 61643-11:2011 |
| ETIM Class                                                   |       | EC000942                            |
| Customs tariff number                                        |       | 85363010                            |
| EAN                                                          |       | 8595090557227                       |
| Order number                                                 |       | A05722                              |