

## DCOR L 3P 275 SO IP (900 447)

- Visual fault indication for both protective paths
- Interruption of the load circuit in the event of a fault
- Compact design

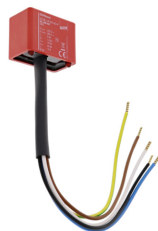
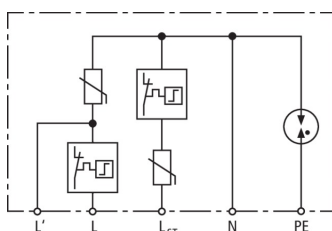
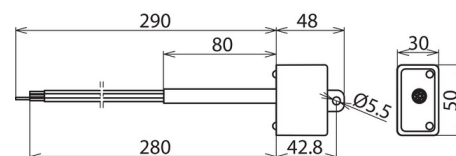


Figure without obligation



Basic circuit diagram DCOR L 3P 275 SO IP



Dimension drawing DCOR L 3P 275 SO IP

Three-pole surge arrester for all installation systems; compact design. IP 65 degree of protection. With disconnection of the load circuit in the event of a fault and protection of the control phase.

### Technical data

| Type<br>Part No.                                                                                     | DCOR L 3P 275 SO IP<br>900 447    |
|------------------------------------------------------------------------------------------------------|-----------------------------------|
| SPD according to EN 61643-11 / IEC 61643-11                                                          | type 2 / class II                 |
| Energy coordination with terminal equipment ( $\leq 10$ m)                                           | type 2 + type 3                   |
| Nominal voltage (a.c.) ( $U_N$ )                                                                     | 230 V (50 / 60 Hz)                |
| Max. continuous operating voltage (a.c.) [L-N] ( $U_C$ )                                             | 275 V (50 / 60 Hz)                |
| Max. continuous operating voltage (a.c.) [N-PE] ( $U_C$ )                                            | 255 V (50 / 60 Hz)                |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )                                                   | 5 kA                              |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )                                                  | 10 kA                             |
| Total discharge current (8/20 $\mu$ s) [L+N-PE] ( $I_{total}$ )                                      | 20 kA                             |
| Voltage protection level [L-N] ( $U_P$ )                                                             | $\leq 1.5$ kV                     |
| Voltage protection level [L-N] at 3 kA ( $U_P$ )                                                     | $\leq 1$ kV                       |
| Voltage protection level [L-N] at 1.5 kA ( $U_P$ )                                                   | $\leq 0.85$ kV                    |
| Voltage protection level [N-PE] ( $U_P$ )                                                            | $\leq 1.5$ kV                     |
| Follow current extinguishing capability [N-PE] ( $I_e$ )                                             | 100 A <sub>rms</sub>              |
| Response time [L-N] ( $t_A$ )                                                                        | $\leq 25$ ns                      |
| Response time [L/N-PE] ( $t_A$ )                                                                     | $\leq 100$ ns                     |
| Max. load current ( $I_L$ )                                                                          | 10 A                              |
| Max. mains-side overcurrent protection                                                               | B 16 A                            |
| Short-circuit withstand capability for mains-side overcurrent protection ( $I_{SCCR}$ )              | 1 kA <sub>rms</sub>               |
| Short-circuit withstand capability for mains-side overcurrent protection with 16 A gG ( $I_{SCCR}$ ) | 6 kA <sub>rms</sub>               |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic                                         | 335 V / 5 sec. – withstand        |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic                                         | 440 V / 120 min. – safe failure   |
| Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) – Characteristic                                        | 1200 V / 200 ms – safe failure    |
| Fault indication                                                                                     | red                               |
| Interruption of the load circuit in the event of a fault                                             | yes                               |
| Number of ports                                                                                      | 1                                 |
| Operating temperature range ( $T_U$ )                                                                | -40 °C ... +80 °C                 |
| Connecting cable                                                                                     | 1.5 mm <sup>2</sup> , 230 mm long |
| Enclosure material                                                                                   | thermoplastic, red, UL 94 V-2     |
| Degree of protection of installed device                                                             | IP 65                             |
| Extended technical data:                                                                             | -----                             |
| – Combination wave ( $U_{OC}$ )                                                                      | 10 kV                             |
| Weight                                                                                               | 130 g                             |
| Customs tariff number (Comb. Nomenclature EU)                                                        | 85363030                          |
| GTIN                                                                                                 | 4013364282216                     |
| PU                                                                                                   | 1 pc(s)                           |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.