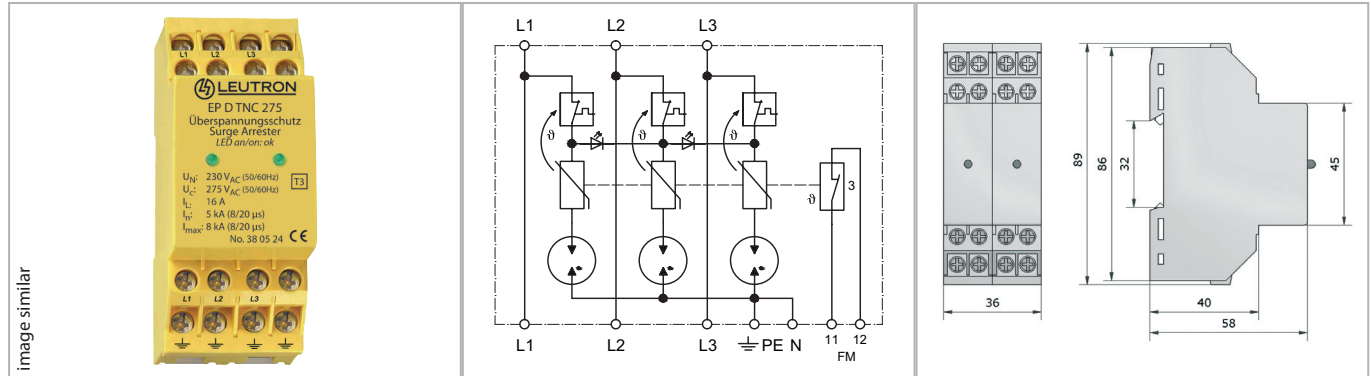


# Datasheet

## Surge protection of power supply

### SPD type 3 for AC power supplies



Compact 3-pole surge arrester, e.g. for 3-phase TN-C systems. The SPD is applicable at the transition 2-3 according to the lightning protection zones concept.

- Line function and equipment control by LED
- Leakage current free
- Possible with parallel or spur wiring for >16 A
- Remote signalling contact: break contact
- Deepest protection against longitudinal and transverse voltages for loads up to 16 A
- EAC certification

| Technical Data                                  |                  | EP D TNC 275/FM                                                |
|-------------------------------------------------|------------------|----------------------------------------------------------------|
| IEC category                                    |                  | Type 3                                                         |
| Nominal voltage AC                              | UN               | 230 V~                                                         |
| Max. continuous operating voltage AC (50/60 Hz) | Uc               | 275 V~                                                         |
| Rated load current                              | IL               | 16 A                                                           |
| Protection level L-N                            | Up               | ≤ 1,0 kV                                                       |
| Protection level L/N-PE                         | Up               | ≤ 1,5 kV                                                       |
| Combined surge                                  | Uoc              | ≤ 4,0 kV                                                       |
| Nominal discharge current (8/20 μs)             | In               | 5 kA                                                           |
| Max. impulse discharge current (8/20 μs)        | I <sub>max</sub> | 8 kA                                                           |
| Response time L-N/L, N-PE                       |                  | ≤ 25/≤ 50 ns                                                   |
| Max. allowed fuse or back-up fuse               |                  | 16 A gG                                                        |
| Operating temperature range                     | TU               | -40 – +80 °C                                                   |
| Max. conductor cross section                    |                  | 2x 2,5 mm <sup>2</sup> solid / 2x 1,5 mm <sup>2</sup> stranded |
| Enclosure material / colour                     |                  | polycarbonate (halogen-free) UL 94-V0 / yellow                 |
| Degree of protection (IEC EN 60529)             |                  | IP 20                                                          |
| Mounting on                                     |                  | 35 mm DIN rail (DIN EN 60715)                                  |
| FM contact / contact type                       |                  | break contact                                                  |
| Switching capacity FM                           |                  | 250 V/2 A                                                      |
| Max. conductor cross section FM                 |                  | 1,5 mm <sup>2</sup>                                            |
| Max. locking torque FM terminals                |                  | 1,5 Nm                                                         |

| Order Data  |                 |
|-------------|-----------------|
| Product     | EP D TNC 275/FM |
| Article-No. | 38 05 25        |