



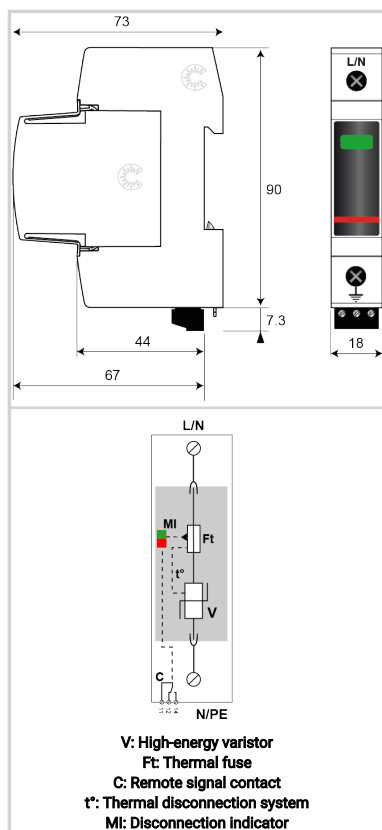
# CITEL

## Type 2 AC surge protector - 1-pole - pluggable

### DAC50S-10-320



- Type 2 AC surge protector
- In: 20 kA
- I<sub>max</sub>: 50 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance



#### Electrical Characteristics

|                                                                                                          |                    |                       |
|----------------------------------------------------------------------------------------------------------|--------------------|-----------------------|
| SPD type                                                                                                 | IEC                | 2                     |
| Max. AC operating voltage                                                                                | Uc                 | 320 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                 | 335 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                 | 440 Vac disconnection |
| Residual Current Leakage current to Ground                                                               | I <sub>pe</sub>    | < 1 mA                |
| Follow current                                                                                           | I <sub>f</sub>     | None                  |
| Nominal discharge current 15 x 8/20 μs impulses                                                          | I <sub>n</sub>     | 20 kA                 |
| Max. discharge current max. withstand @ 8/20 μs by pole                                                  | I <sub>max</sub>   | 50 kA                 |
| Protection level @ I <sub>n</sub> (8/20 μs)                                                              | U <sub>p</sub>     | 1.5 kV                |
| Residual voltage at 5 kA @ 5 kA (8/20 μs)                                                                | U <sub>p-5kA</sub> | 1.2 kV                |
| Admissible short-circuit current                                                                         | I <sub>sc</sub>    | 50 000 A              |

#### Mechanical Characteristics

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| Technology                                | MOV                                       |
| SPD configuration                         | Single phase                              |
| Connection to Network                     | By screw terminals: 2.5-25mm <sup>2</sup> |
| Format                                    | Plug-in modular box                       |
| Mounting                                  | Symmetrical rail 35 mm (EN 60715)         |
| Housing material                          | Thermoplastic UL94 V-0                    |
| Operating temperature                     | T <sub>u</sub> -40/+85°C                  |
| Protection rating                         | IP20                                      |
| Failsafe mode                             | Disconnection from AC network             |
| Disconnection indicator                   | 1 mechanical indicator - Red/Green        |
| Spare module(s)                           | MDAC50-320                                |
| Remote signaling of disconnection         | output on changeover contact              |
| Wiring for remote signaling               | 1.5 mm <sup>2</sup> max.                  |
| Max. Voltage/Current for remote signaling | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)      |
| Dimensions                                | See diagram - 1TE (EN43880)               |
| Weight                                    | 0.106 kg                                  |

#### Disconnectors

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Thermal disconnector              | Internal                               |
| Installation ground fault breaker | Type 'S' or delayed                    |
| Back-up protection device         | 50 A min. - 125 A max. - Fuses Type gG |

#### Standards

|                      |                            |
|----------------------|----------------------------|
| Standards compliance | IEC 61643-11 / EN 61643-11 |
| Certification        | ÖVE / UL                   |

#### Part number

821110321

