



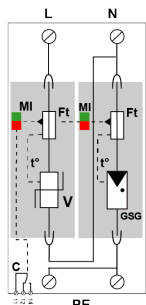
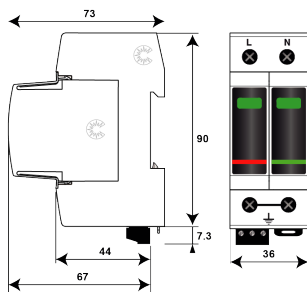
# CITEL

## Type 2 AC surge protector - Single-phase

### DAC50S-11-275



- Type 2 AC surge protector
- In: 20 kA
- Imax: 50 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance



**V:** High-energy varistor  
**GSG:** Specific gas tube  
**Ft:** Thermal fuse  
**C:** Remote signaling contact  
**t°:** Thermal disconnection system  
**MI:** Disconnection indicator

#### Electrical Characteristics

|                                                                                                          |            |                              |
|----------------------------------------------------------------------------------------------------------|------------|------------------------------|
| SPD type                                                                                                 | IEC        | 2                            |
| Network                                                                                                  |            | 230 V single-phase           |
| AC system                                                                                                |            | TT-TN                        |
| Max. AC operating voltage                                                                                | Uc         | 275 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        |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT         | 1200 V/300A/200 ms withstand |
| Residual Current                                                                                         |            |                              |
| Leakage current to Ground                                                                                | Ipe        | None                         |
| Follow current                                                                                           | If         | None                         |
| Nominal discharge current 15 x 8/20 µs impulses                                                          | In         | 20 kA                        |
| Max. discharge current max. withstand @ 8/20 µs by pole                                                  | Imax       | 50 kA                        |
| Total Maximum discharge current max. total withstand @ 8/20 µs                                           | Imax Total | 50 kA                        |
| Protection mode(s)                                                                                       |            | L/N and N/PE                 |
| Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)                                                    | Up L/N     | 1.25 kV                      |
| Protection level N/PE @ In (8/20µs) and @ 6 kV (1,2/50 µs)                                               | Up N/PE    | 1.5 kV                       |
| Residual voltage L/N at 5 kA @ 5 kA (8/20µs)                                                             | Up-5kA     | 1 kV                         |
| Protection level N/PE at 5 kA @ 5 kA (8/20µs)                                                            | Up-5kA     | 1 kV                         |
| Admissible short-circuit current                                                                         | Iscsr      | 50 000 A                     |

#### Mechanical Characteristics

|                                           |    |                                            |
|-------------------------------------------|----|--------------------------------------------|
| Technology                                |    | MOV+GDT                                    |
| SPD configuration                         |    | Single phase                               |
| Connection to Network                     |    | By screw terminals: 2.5-25mm²              |
| Format                                    |    | Plug-in modular box                        |
| Mounting                                  |    | Symmetrical rail 35 mm (EN 60715)          |
| Housing material                          |    | Thermoplastic UL94 V-0                     |
| Operating temperature                     | Tu | -40/+85°C                                  |
| Protection rating                         |    | IP20                                       |
| Failsafe mode                             |    | Disconnection from AC network              |
| Disconnection indicator                   |    | 1 mechanical indicator by pole - Red/Green |
| Spare module(s)                           |    | MDAC50-275+MDAC50G-275                     |
| Remote signaling of disconnection         |    | output on changeover contact               |
| Wiring for remote signaling               |    | 1.5 mm² max.                               |
| Max. Voltage/Current for remote signaling |    | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)       |
| Dimensions                                |    | See diagram - 2TE (EN43880)                |
| Weight                                    |    | 0.188 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



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