



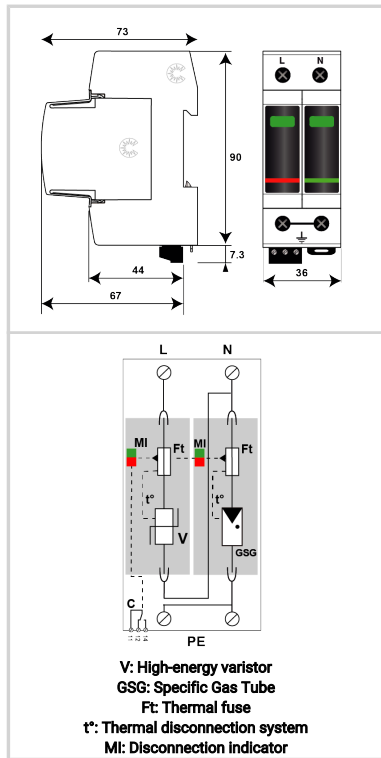
# CITEL

## Type 2 AC surge protector - Single-phase

### DAC50S-11-385



- › 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



| Electrical Characteristics                                                                               |            |                                            |
|----------------------------------------------------------------------------------------------------------|------------|--------------------------------------------|
| SPD type                                                                                                 | IEC        | 2                                          |
| Network                                                                                                  |            | 230/400V                                   |
| AC system                                                                                                |            | TT-TN                                      |
| Max. AC operating voltage                                                                                | Uc         | 385 Vac                                    |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT         | 500 Vac withstand                          |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT         | 650 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 $\mu$ s impulses                                                     | In         | 20 kA                                      |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | Imax       | 50 kA                                      |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | Imax Total | 50 kA                                      |
| Protection mode(s)                                                                                       |            | L/N and N/PE                               |
| Protection level N/PE @ In (8/20 $\mu$ s)                                                                | Up N/PE    | 1.5 kV                                     |
| Protection level @ In (8/20 $\mu$ s) and @ 6 kV (1,2/50 $\mu$ s)                                         | Up L/N     | 1.8 kV                                     |
| Admissible short-circuit current                                                                         | Iscrr      | 50 000 A                                   |
| Mechanical Characteristics                                                                               |            |                                            |
| Technology                                                                                               |            | MOV+GDT                                    |
| 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                                                                                    | 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)                                                                                          |            | MDAC50-385+MDAC50G-385                     |
| 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                                |
| 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                                                                                            |            |                                            |
| Part number                                                                                              |            |                                            |
| 821111242                                                                                                |            |                                            |

