



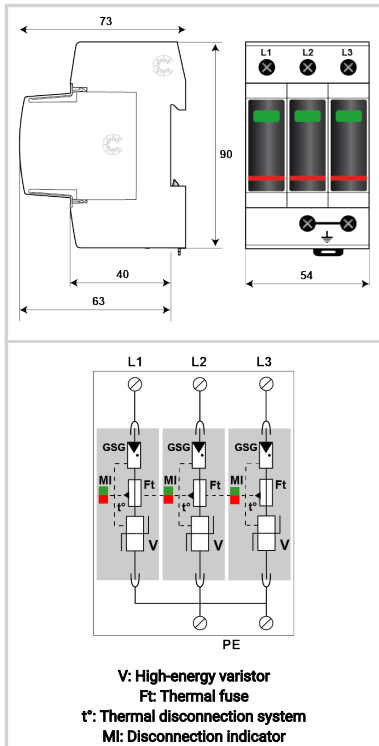
# CITEL

## Type 2 AC surge protector - 3-phase

### DAC50VG-30-150



- Type 2 + 3 AC surge protector
- VG Technology
- In: 20 kA
- No leakage current
- Pluggable module for each phase
- Remote signaling (option)
- Optimized to TOV
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



#### Electrical Characteristics

| SPD type   | IEC                    | 2+3               |
|--|------------------------|-------------------|
| Network  |                        | 120/208 V         |
| AC system  |                        | TNC               |
| Max. AC operating voltage  | Uc                     | 150 Vac           |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                     | 180 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                     | 230 Vac withstand |
| Residual Current   | Ipe                    | None              |
| Leakage current to Ground  |                        |                   |
| Follow current   | If                     | None              |
| Nominal discharge current<br>15 x 8/20 µs impulses   | In                     | 20 kA             |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole   | I <sub>max</sub>       | 50 kA             |
| Total Maximum discharge current<br>max. total withstand @ 8/20 µs  | I <sub>max</sub> Total | 150 kA            |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50µs - 8/20µs                      | Uoc                    | 6 kV              |
| Connection mode(s)   |                        | L/PE              |
| Protection level L/PE<br>@ In (8/20µs)   | Up L/PE                | 1.5 kV            |
| Residual voltage L/PE at 5 kA<br>@ 5 kA (8/20µs)   | Up-5kA                 | 0.4 kV            |
| Admissible short-circuit current   | I <sub>sc</sub>        | 50 000 A          |

#### Mechanical Characteristics

|                                   |    |   |
|-----------------------------------|----|---|
| Technology                        |    | VG Technology (MOV+GSG)   |
| SPD configuration                 |    | 3-phase   |
| Connection to Network             |    | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid) |
| 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)                   |    | MDAC50VG-150  |
| Remote signaling of disconnection |    | option DAC50VGS-30-150 : output on changeover contact               |
| Dimensions                        |    | See diagram - 3 TE (EN43880)  |

#### Disconnectors

|                                   |  |  |
|-----------------------------------|--|--|
| Thermal disconnecter              |  | Internal                               |
| Installation ground fault breaker |  | Type 'S' or delayed                    |
| Back-up protection device         |  | 50 A min. - 160 A max. - Fuses Type gG |

#### Standards

|                      |  |  |
|----------------------|--|--|
| Standards compliance |  | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification        |  | KEMA                                     |

#### Part number

**821130113**

