



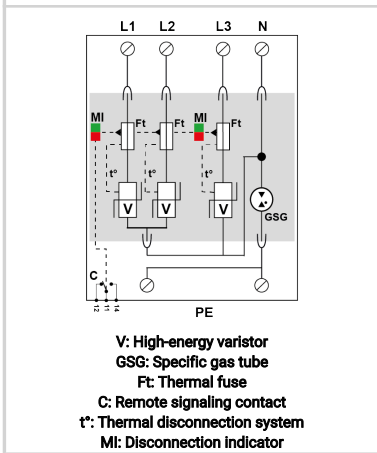
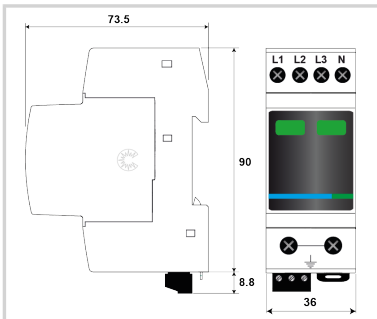
# CITEL

## Type 2 (or 3) AC surge protector - 3-phase+N

### DAC15CS-31-320



- Compact 3-phase+N Type 2 (or 3) surge protector
- In: 5 kA
- Imax: 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



#### Electrical Characteristics

|  |            |                              |
|--|------------|------------------------------|
| SPD type   | IEC        | 2+3                          |
| Network  |            | 230/400 V                    |
| AC system  |            | TT-TNS                       |
| 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        |
| 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         | 5 kA                         |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax       | 15 kA                        |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | Imax Total | 40 kA                        |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | Uoc        | 10 kV                        |
| Protection mode(s)   |            | L/N and N/PE                 |
| Protection level L/N @ In (8/20μs)   | Up L/N     | 1.1 kV                       |
| Protection level L/PE @ In (8/20μs)  | Up L/PE    | 1.5 kV                       |
| Admissible short-circuit current   | Iscrc      | 10 000 A                     |

#### Mechanical Characteristics

|   |    |   |
|---|----|---|
| Technology                                |    | MOV+GDT   |
| SPD configuration                         |    | 3-phase+Neutral   |
| Connection to Network                     |    | By screw terminals: L/N = 1.5-10mm <sup>2</sup> (16mm <sup>2</sup> rigid) or PE = 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                   |    | 2 mechanical indicators - Red/Green   |
| Spare module(s)                           |    | MDAC15C-31-320  |
| 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 - 2TE (EN43880)   |

#### Disconnectors

|                                   |  |  |
|-----------------------------------|--|--|
| Thermal disconnector              |  | Internal                               |
| Installation ground fault breaker |  | Type 'S' or delayed                    |
| Back-up protection device         |  | 20 A min. - 125 A max. - Fuses type gG |

#### Standards

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

#### Part number

**821620322**

