



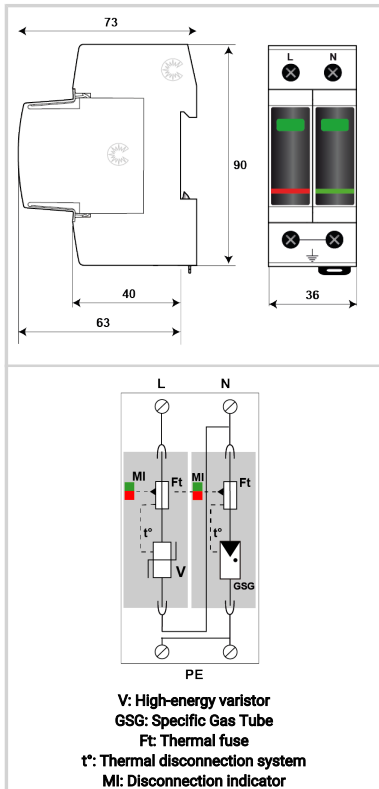
# CITEL

## Type 2 AC surge protector - Re-inforced - pluggable

### DAC80-11-385



- Re-inforced Type 2 AC surge protector
- In : 40 kA
- Imax : 80 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



#### Electrical Characteristics

|  |         |                       |
|--|---------|-----------------------|
| SPD type   | IEC     | 2                     |
| Network  |         | 230/400 V             |
| 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 |
| Residual Current Leakage current to Ground   | Ipe     | < 1 mA                |
| Follow current   | If      | None                  |
| Nominal discharge current 15 x 8/20 μs impulses  | In      | 40 kA                 |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax    | 80 kA                 |
| Protection mode(s)   |         | L/N and N/PE          |
| Protection level @ In (8/20μs) and @ 6 kV (1,2/50 μs)  | Up L/N  | 1.8 kV                |
| Protection level N/PE @ In (8/20μs) and @ 6 kV (1,2/50 μs)   | Up N/PE | 1.5 kV                |
| Admissible short-circuit current   | Iscrr   | 50 000 A              |

#### Mechanical Characteristics

|                                   |    |   |
|-----------------------------------|----|---|
| Technology                        |    | MOV+GDT   |
| 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)                   |    | MDAC80-385 + MDAC80G-255  |
| Remote signaling of disconnection |    | option DAC80S-11-385 : output on changeover contact                 |
| Dimensions                        |    | See diagram - 2TE (EN43880)   |
| Weight                            |    | 0.212 kg  |

#### Disconnectors

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

#### Standards

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

#### Part number

**821210532**

