



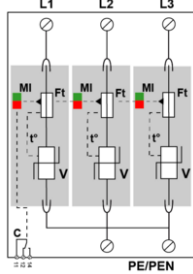
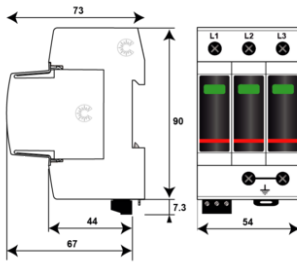
## Type 2 AC surge protector - Re-inforced - pluggable

# CITEL

## DAC80S-30-385



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



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

### Electrical Characteristics

|  |         |                       |
|--|---------|-----------------------|
| SPD type   |         | 2                     |
| Network  |         | 230/400 V 3-phase     |
| AC system  |         | TNC                   |
| 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 $\mu$ s impulses   | In      | 40 kA                 |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole   | Imax    | 80 kA                 |
| Protection mode(s)   |         | L/PE                  |
| Protection level L/PE @ In (8/20 $\mu$ s)  | Up L/PE | 1.6 kV                |
| Admissible short-circuit current   | Iscsr   | 50 000 A              |

### Mechanical Characteristics

|   |    |   |
|---|----|---|
| Technology                                |    | MOV   |
| 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  |
| Remote signaling of disconnection         |    | Output on changeover contact  |
| Max. Voltage/Current for remote signaling |    | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)                                |
| Dimensions                                |    | See diagram - 3 TE (EN43880)  |
| Weight                                    |    | 0.379 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

821210523

