



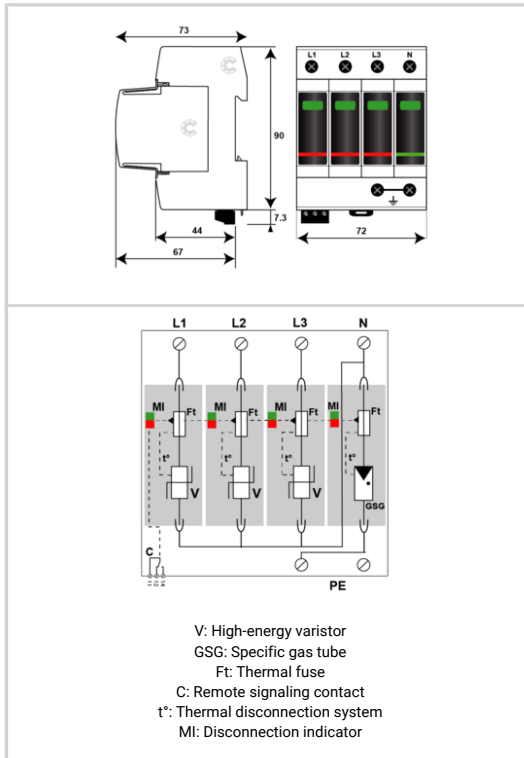
# Type 2 AC surge protector - Re-inforced - pluggable

# CITEL

## DAC80S-31-385



- 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



| Electrical Characteristics   |   |
|--|---|
| SPD type   | 2   |
| Network  | 230/400 V 3-phase+N   |
| AC system  | TT-TNS  |
| 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  |
| 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 - 4TE (EN43880)   |
| Weight   | 0.443 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  |   |
| <b>821210544</b>   |   |

