



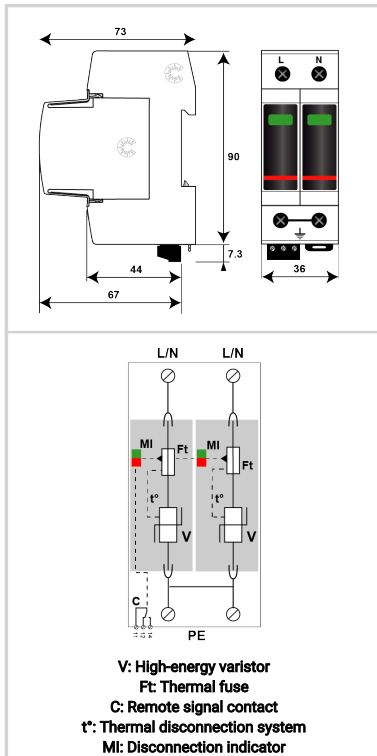
# CITEL

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

### DAC80S-20-275



- 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   | IEC     | 2   |
| Network  |         | 230 V single-phase  |
| AC system  |         | TN  |
| Max. AC operating voltage  | Uc      | 275 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   |
| 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/PE and N/PE   |
| Protection level N/PE @ In (8/20μs)  | Up N/PE | 1.6 kV  |
| Protection level L/PE @ In (8/20μs)  | Up L/PE | 1.6 kV  |
| Admissible short-circuit current   | Iscrr   | 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)  |         | MDAC80-275  |
| 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 - 2TE (EN43880)   |
| 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>821210222</b>   |         |   |

