



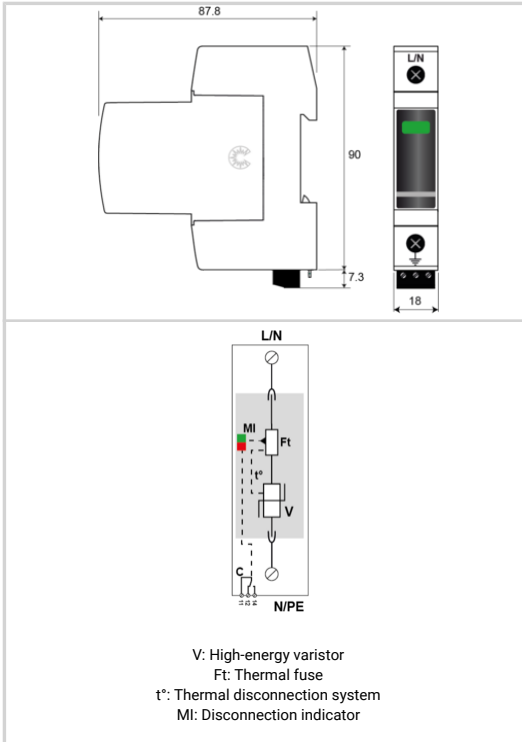
# CITEL

## Type 1+2 AC surge protector - 1-pole

### DAC1-13S-10-275



- Type 1 + 2 AC surge protector
- In : 20 kA
- Iimp : 12.5 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



| Electrical Characteristics   |   |
|--|---|
| SPD type   | 1+2   |
| 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<br>Leakage current to Ground  | Ipe < 1 mA  |
| Follow current   | If None   |
| Nominal discharge current<br>15 x 8/20 μs impulses   | In 20 kA  |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole   | Imax 50 kA  |
| Impulse current by pole<br>max. withstand 10/350 μs by pole  | Iimp 12.5 kA  |
| Specific energy by pole<br>max. withstand 10/350 μs  | W/R 40 kJ/ohm   |
| Protection level<br>@ In (8/20 μs)   | Up 1.3 kV   |
| Residual voltage at 5 kA<br>@ 5 kA (8/20 μs)   | Up-5kA 1 kV   |
| Admissible short-circuit current   | Iscsr 50 000 A  |
| Mechanical Characteristics   |   |
| Technology   | MOV   |
| SPD configuration  | Single phase  |
| 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 - Red/Green                                  |
| Spare module(s)  | MDAC1-13-275  |
| 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 - 1TE (EN43880)   |
| Weight   | 0.183 kg  |
| Disconnectors  |   |
| Thermal disconnector   | Internal  |
| Installation ground fault breaker  | Type 'S' or delayed   |
| Back-up protection device  | 315 A max. - Fuses Type gG / or SFD1-25S                            |
| Standards  |   |
| Standards compliance   | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                            |
| Certification  | KEMA  |
| Part number  |   |
| 821710221  |   |

