



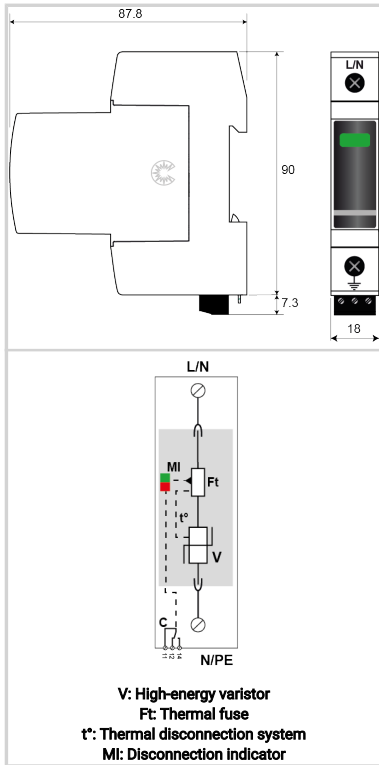
# CITEL

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

### DAC1-13S-10-320



- ▶ 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   | IEC                    | 1+2   |
| Max. AC operating voltage  | Uc                     | 320 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                     | 20 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 50 kA   |
| Impulse current by pole max. withstand 10/350μs by pole  | I <sub>imp</sub>       | 12.5 kA   |
| Impulse current N/PE max. withstand 10/350μs   | I <sub>imp N /PE</sub> | 50 kA   |
| Specific energy by pole max. withstand 10/350 μs   | W/R                    | 40 kJ/ohm   |
| Protection level @ In (8/20μs)   | Up                     | 1.6 kV  |
| Residual voltage at 5 kA @ 5 kA (8/20μs)   | Up-5kA                 | 1.2 kV  |
| Admissible short-circuit current   | I <sub>sc</sub>        | 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)  |                        | MDAC1-13-320  |
| 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)   |
| Disconnectors  |                        |   |
| Thermal disconnector   |                        | Internal  |
| Installation ground fault breaker  |                        | Type 'S' or delayed   |
| Back-up protection device  |                        | max. 315 A (gL/gG)  |
| Standards  |                        |   |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                            |
| Certification  |                        | KEMA  |
| Part number  |                        |   |
| <b>821710321</b>   |                        |   |

