



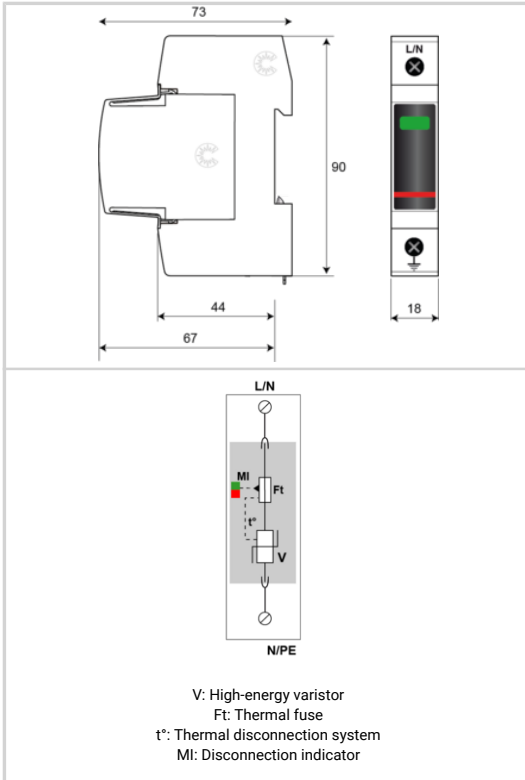
# CITEL

## Type 2 AC surge protector - Re-inforced - 1-pole - pluggable

### DAC80-10-440



- Re-inforced Type 2 AC surge protector
- In : 40 kA
- I<sub>max</sub> : 80 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



| Electrical Characteristics   |                    |   |
|--|--------------------|---|
| SPD type   | IEC                | 2   |
| Max. AC operating voltage  | Uc                 | 440 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                 | 580 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                 | 770 Vac disconnection   |
| Residual Current Leakage current to Ground   | I <sub>pe</sub>    | < 1 mA  |
| Follow current   | I <sub>f</sub>     | None  |
| Nominal discharge current 15 x 8/20 μs impulses  | I <sub>n</sub>     | 40 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>   | 80 kA   |
| Protection level @ I <sub>n</sub> (8/20 μs)  | U <sub>p</sub>     | 2 kV  |
| Residual voltage at 5 kA @ 5 kA (8/20 μs)  | U <sub>p-5kA</sub> | 1.4 kV  |
| Admissible short-circuit current   | I <sub>sc</sub>    | 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  | T <sub>u</sub>     | -40/+85°C   |
| Protection rating  |                    | IP20  |
| Failsafe mode  |                    | Disconnection from AC network                                       |
| Disconnection indicator  |                    | 1 mechanical indicator - Red/Green                                  |
| Spare module(s)  |                    | MDAC80-440  |
| Remote signaling of disconnection  |                    | option DAC80S-10-440 : output on changeover contact                 |
| Dimensions   |                    | See diagram - 1TE (EN43880)   |
| Weight   |                    | 0.166 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  |                    |   |
| 821210411  |                    |   |

