



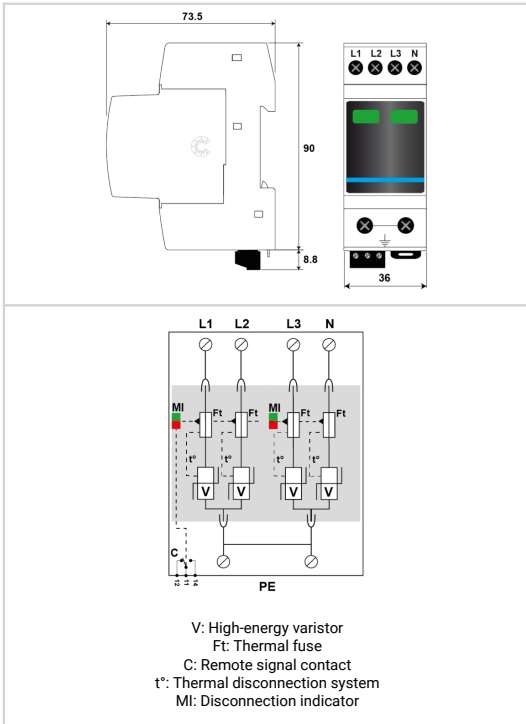
# CITEL

## Type 2 (or 3) AC surge protector - 3-phase+N

### DAC15CS-40-440



- ✦ Compact 3-phase+N Type 2 (or 3) surge protector
- ✦ In: 5 kA
- ✦ I<sub>max</sub>: 15 kA
- ✦ Common mode
- ✦ Pluggable module
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



| Electrical Characteristics   |                        |   |  |
|--|------------------------|---|--|
| SPD type   | IEC                    | 2 (or 3)  |  |
| Network  |                        | 230/400 V   |  |
| AC system  |                        | IT  |  |
| Max. AC operating voltage  | U <sub>c</sub>         | 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>         | 5 kA  |  |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 15 kA   |  |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max</sub> Total | 60 kA   |  |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | U <sub>oc</sub>        | 10 kV   |  |
| Protection mode(s)   |                        | L/PE  |  |
| Protection level N/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p</sub> N/PE    | 1.5 kV  |  |
| Protection level L/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p</sub> L/PE    | 1.5 kV  |  |
| Admissible short-circuit current   | I <sub>scrr</sub>      | 10 000 A  |  |
| Mechanical Characteristics   |                        |   |  |
| Technology   |                        | MOV   |  |
| SPD configuration  |                        | 3-phase+Neutral   |  |
| Connection to Network  |                        | By screw terminals: L/N = 1.5-10mm <sup>2</sup> (16mm <sup>2</sup> rigid) or PE = 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  |                        | 2 mechanical indicators - Red/Green   |  |
| Spare module(s)  |                        | MDAC15C-40-440  |  |
| 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 - 2TE (EN43880)   |  |
| Disconnectors  |                        |   |  |
| Thermal disconnector   |                        | Internal  |  |
| Installation ground fault breaker  |                        | Type 'S' or delayed   |  |
| Back-up protection device  |                        | 20 A min. - 125 A max. - Fuses type gG  |  |
| Standards  |                        |   |  |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5  |  |
| Certification  |                        | KEMA  |  |
| Part number  |                        |   |  |
| 821610422  |                        |   |  |

