



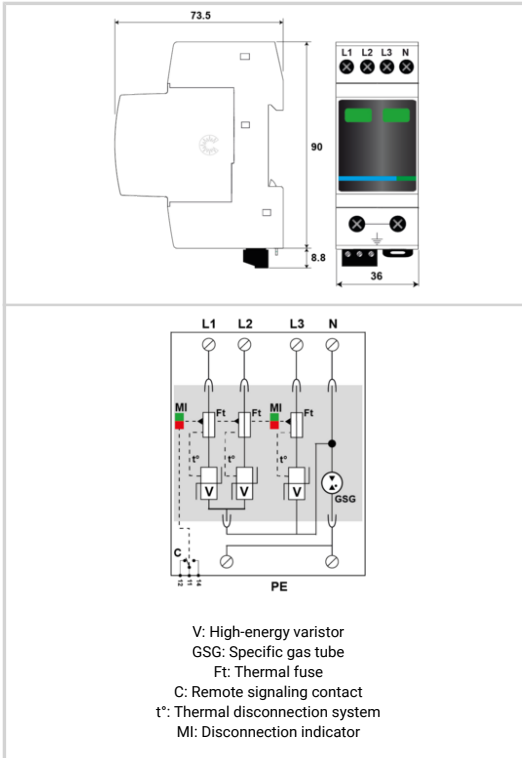
## Type 2 (or 3) AC surge protector - 3-phase+N

# CITEL

## DAC15CS-31-150



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



| Electrical Characteristics   |            |   |
|--|------------|---|
| SPD type   |            | 2 (or 3)  |
| Network  |            | 120/208 V   |
| AC system  |            | TT-TNS  |
| Max. AC operating voltage  | Uc         | 150 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT         | 180 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT         | 230 Vac disconnection   |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT         | 1200 V/300A/200 ms withstand  |
| Residual Current Leakage current to Ground   | Ipe        | None  |
| Follow current   | If         | None  |
| Nominal discharge current 15 x 8/20 μs impulses  | In         | 5 kA  |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax       | 15 kA   |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | Imax Total | 40 kA   |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | Uoc        | 10 kV   |
| Protection mode(s)   |            | L/PE and L/N  |
| Protection level L/N @ In (8/20μs)   | Up L/N     | 0.6 kV  |
| Protection level L/PE @ In (8/20μs)  | Up L/PE    | 1.5 kV  |
| Admissible short-circuit current   | Iscrr      | 10 000 A  |
| Mechanical Characteristics   |            |   |
| Technology   |            | MOV+GDT   |
| 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  | Tu         | -40/+85°C   |
| Protection rating  |            | IP20  |
| Failsafe mode  |            | Disconnection from AC network   |
| Disconnection indicator  |            | 2 mechanical indicators - Red/Green   |
| Spare module(s)  |            | MDAC15C-31-150  |
| 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  |            |   |
| 821620122  |            |   |

