



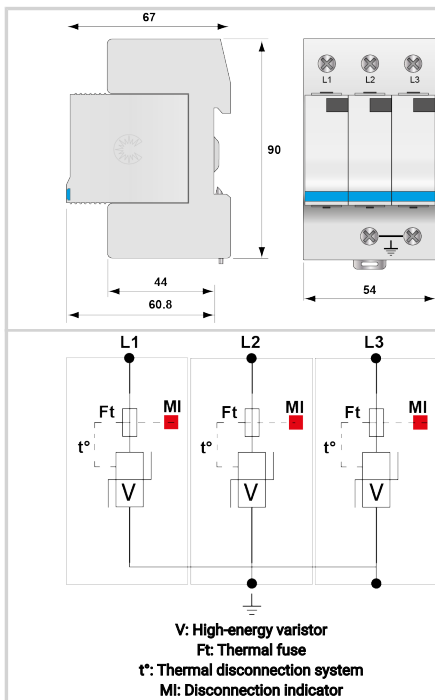
# CITEL

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

### DS13-230



- Discover our latest innovation : the [DAC15C-30-275](#)
- Type 2 (or 3) AC Multipolar surge protector
- In : 5 kA
- Imax total: 30 kA
- Pluggable module by phase
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



#### Electrical Characteristics

|                                                                                                                    |            |                       |
|--------------------------------------------------------------------------------------------------------------------|------------|-----------------------|
| SPD type                                                                                                           | IEC        | 2+3                   |
| Network                                                                                                            |            | 230/400 V 3-phase     |
| AC system                                                                                                          |            | TNC                   |
| Nominal line voltage                                                                                               | Un         | 230 Vac               |
| Max. AC operating voltage                                                                                          | Uc         | 255 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT         | 335 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT         | 440 Vac disconnection |
| Residual Current<br><i>Leakage current to Ground</i>                                                               | Ipe        | < 1.5 mA              |
| Follow current                                                                                                     | If         | None                  |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>                                                          | In         | 5 kA                  |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>                                                  | Imax       | 10 kA                 |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i>                                           | Imax Total | 30 kA                 |
| Withstand on Combination waveform IEC 61643-11<br><i>Class III test: 1.2/50μs - 8/20μs</i>                         | Uoc        | 10 kV                 |
| Withstand on overvoltages IEEE C62.41.1                                                                            |            | 10 kV                 |
| Connection mode(s)                                                                                                 |            | L/PE                  |
| Protection mode(s)                                                                                                 |            | Common mode           |
| Protection level L/PE<br><i>@ In (8/20μs)</i>                                                                      | Up L/PE    | 1.2 kV                |
| Admissible short-circuit current                                                                                   | Iscrr      | 25 000 A              |

#### Mechanical Characteristics

|                                   |    |                                                    |
|-----------------------------------|----|----------------------------------------------------|
| Technology                        |    | MOV                                                |
| SPD configuration                 |    | 3-phase                                            |
| Connection to Network             |    | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| 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 by pole                     |
| Spare module(s)                   |    | DSM10-230                                          |
| Remote signaling of disconnection |    | option DS13S-230 : output on changeover contact    |
| Dimensions                        |    | See diagram                                        |
| Weight                            |    | 0.262 kg                                           |

#### 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        |  | UL Recognized                            |

#### Part number

**341503**

