



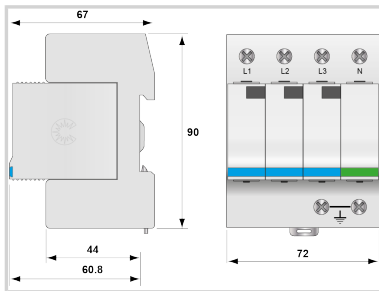
# CITEL



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

### DS14-230/G

- Discover our latest innovation : the [DAC15C-31-275](#)
- Type 2 (or 3) AC Multipolar surge protector
- In : 5 kA
- I<sub>max</sub> total: 40 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+N          |
| AC system  |                        | TT-TNS                       |
| Nominal line voltage   | U <sub>n</sub>         | 230 Vac                      |
| Max. AC operating voltage  | U <sub>c</sub>         | 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        |
| Temporary Over Voltage N/PE (TOV HT)<br><i>Without disconnection or with safety disconnection</i>                  | UT                     | 1200 V/300A/200 ms withstand |
| Residual Current<br><i>Leakage current to Ground</i>   | I <sub>pe</sub>        | None                         |
| Follow current   | I <sub>f</sub>         | None                         |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>  | I <sub>n</sub>         | 5 kA                         |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>  | I <sub>max</sub>       | 10 kA                        |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i>   | I <sub>max</sub> Total | 40 kA                        |
| Withstand on Combination waveform IEC 61643-11<br><i>Class III test: 1.2/50μs - 8/20μs</i>                         | U <sub>oc</sub>        | 10 kV                        |
| Withstand on overvoltages IEEE C62.41.1  |                        | 10 kV                        |
| Connection mode(s)   |                        | L/N and N/PE                 |
| Protection mode(s)   |                        | Common/Differential mode     |
| Protection level L/N<br><i>@ I<sub>n</sub> (8/20μs)</i>  | Up L/N                 | 0.9 kV                       |
| Protection level N/PE<br><i>@ I<sub>n</sub> (8/20μs)</i>   | Up N/PE                | 1.5 kV                       |
| Admissible short-circuit current   | I <sub>sc</sub>        | 25 000 A                     |

#### Mechanical Characteristics

|                                   |                |  |
|-----------------------------------|----------------|--|
| Technology                        |                | MOV+GDT  |
| SPD configuration                 |                | 3-phase+Neutral                                    |
| 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             | T <sub>u</sub> | -40/+85°C  |
| Protection rating                 |                | IP20   |
| Failsafe mode                     |                | Disconnection from AC network                      |
| Disconnection indicator           |                | 1 mechanical indicator by pole                     |
| Spare module(s)                   |                | DSM10-230 + DSM40G-600                             |
| Remote signaling of disconnection |                | option DS14S-230/G : output on changeover contact  |
| Dimensions                        |                | See diagram  |

#### 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

**471512**

