

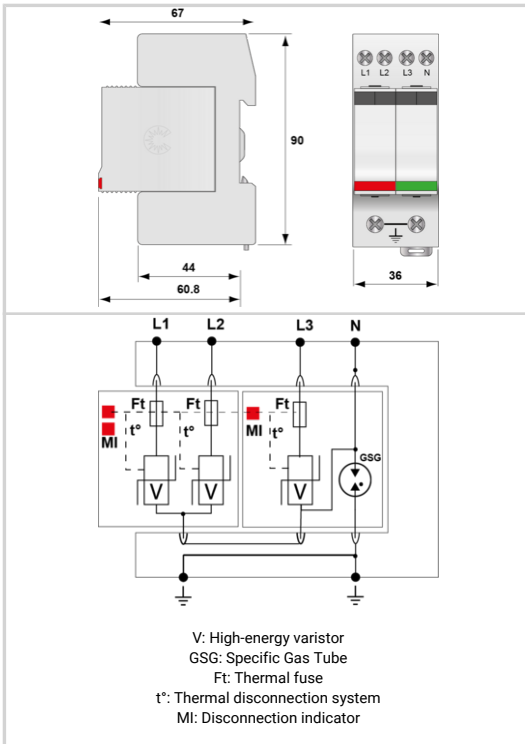


# Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable

## CITEL DS440-320/G



- Discover our latest innovation : the [DAC40C-31-320](#)
- Compact 3-Phase Type 2 surge protector
- In : 20 kA
- Imax : 40 kA
- Common/Differential mode
- Pluggable module
- Remote Signaling contact option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics   |           |   |
|--|-----------|---|
| SPD type   |           | 2   |
| Network  |           | 230/400 V 3-phase   |
| AC system  |           | TT-TN   |
| Nominal line voltage   | Un        | 230 Vac   |
| Max. AC operating voltage  | Uc        | 320 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT        | 335 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT        | 440 Vac disconnection   |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT        | 1200 V/300A/200 ms withstand  |
| Residual Current   | Ipe       | None  |
| Leakage current to Ground  |           |   |
| Follow current   | If        | None  |
| Nominal discharge current 15 x 8/20 μs impulses  | In        | 20 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax      | 40 kA   |
| Connection mode(s)   |           | L/N and N/PE  |
| Protection mode(s)   |           | Common/Differential mode  |
| Residual voltage at 5 kA @ 5 kA (8/20μs)   | Up-5kA    | 1.5/1 kV  |
| Protection level N/PE @ In (8/20μs)  | Up N/PE   | 1.5 kV  |
| Protection level CM/DM @ In (8/20μs)   | Up mc /md | 1.5/1.5 kV  |
| Admissible short-circuit current   | Iscrr     | 10 000 A  |
| Mechanical Characteristics   |           |   |
| Technology   |           | MOV   |
| SPD configuration  |           | 3-phase+Neutral   |
| Connection to Network  |           | By screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (PE) |
| 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  |           | 3 mechanical indicators   |
| Spare module(s)  |           | DSM440-320/G and DSM440-320/GPE   |
| Remote signaling of disconnection  |           | Option DS440S-320/G : output on changeover contact                            |
| Dimensions   |           | See diagram   |
| Weight   |           | 0.217 kg  |
| Disconnectors  |           |   |
| Thermal disconnector   |           | Internal  |
| Installation ground fault breaker  |           | Type 'S' or delayed   |
| Back-up protection device  |           | 50 A min. - 125 A max. - Fuses Type gG  |
| Standards  |           |   |
| Standards compliance   |           | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                                      |
| Certification  |           |   |
| Part number  |           |   |
| 311922   |           |   |

