



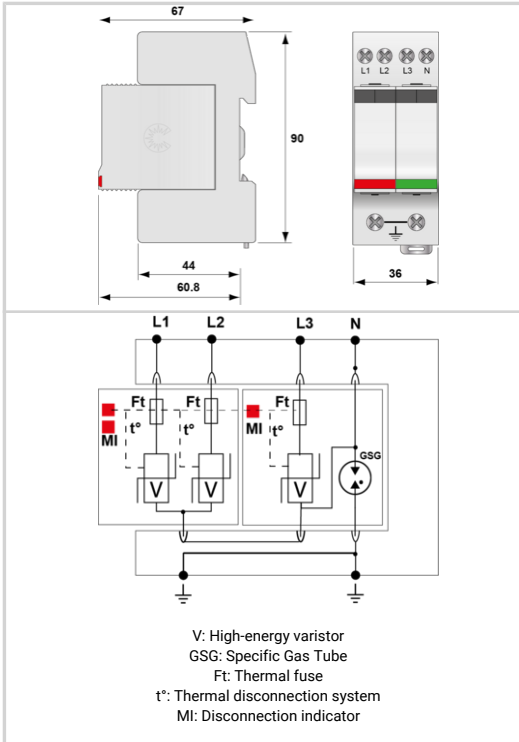
# Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable

# CITEL

## DS440-230/G



- Discover our latest innovation : the [DAC40C-31-275](#)
- 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         | 255 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   |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | Imax Total | 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     | 1.5/0.9 kV  |
| Protection level L/N @ In (8/20μs)   | Up L/N     | 1.25 kV   |
| Protection level N/PE @ In (8/20μs)  | Up N/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: 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  |            | 4 mechanical indicators   |
| Spare module(s)  |            | DSM440-230G and DSM440-230/GPE  |
| Remote signaling of disconnection  |            | Option DS440S-230/G : output on changeover contact                            |
| Dimensions   |            | See diagram   |
| Weight   |            | 0.214 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  |            |   |
| 311722   |            |   |

