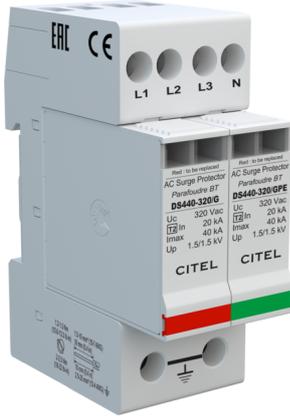


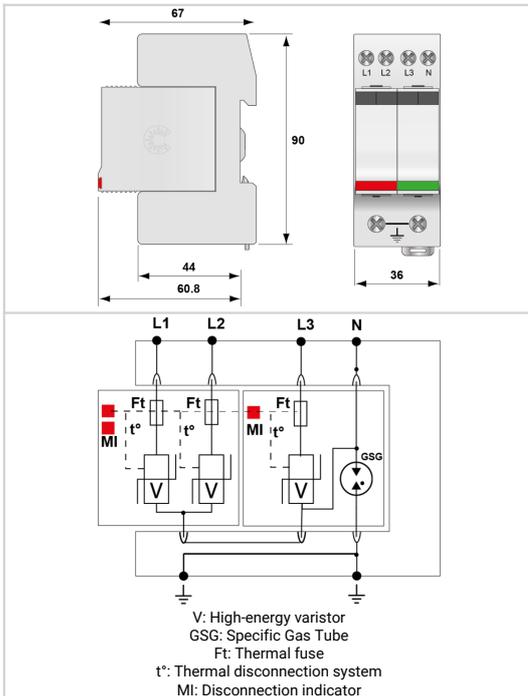


CITEL

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   | IEC      | 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   |          |   |
| Leakage current to Ground  | Ipe      | None  |
| 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   |
| 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  |

