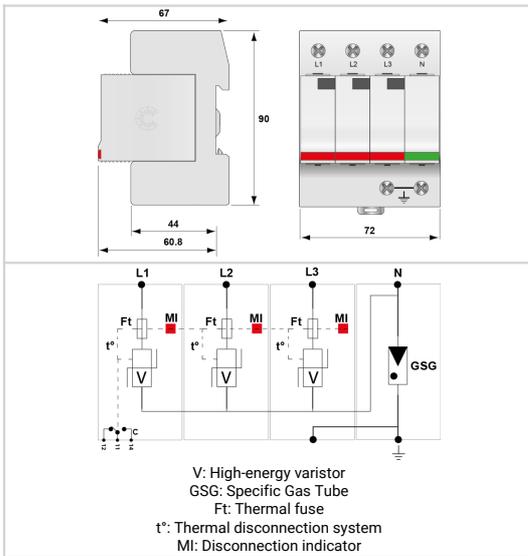


### DS44-320/G



- ✦ Discover our latest innovation : the [DAC50-31-320](#)
- ✦ Type 2 AC Multipolar surge protector
- ✦ In : 20 kA
- ✦ I<sub>max</sub> total : 40 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling option
- ✦ EN 61643-11, IEC 61643-11 compliance
- ✦ UL1449 ed.5



| Electrical Characteristics   |                        |  |
|--|------------------------|--|
| SPD type   | IEC                    | 2  |
| Network  |                        | 230/400 V 3-phase+N                                |
| AC system  |                        | TT-TNS   |
| 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   | I <sub>pe</sub>        | None   |
| Leakage current to Ground  |                        |  |
| Follow current   | I <sub>f</sub>         | None   |
| Nominal discharge current<br>15 x 8/20 μs impulses   | I <sub>n</sub>         | 20 kA  |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole   | I <sub>max</sub>       | 40 kA  |
| Total Maximum discharge current<br>max. total withstand @ 8/20 μs  | I <sub>max</sub> Total | 40 kA  |
| Connection mode(s)   |                        | L/N and N/PE                                       |
| Protection mode(s)   |                        | Common/Differential mode                           |
| Residual voltage at 5 kA<br>@ 5 kA (8/20μs)  | Up-5kA                 | 0.9 kV   |
| Protection level L/N<br>@ I <sub>n</sub> (8/20μs)  | Up L/N                 | 1.5 kV   |
| Protection level N/PE<br>@ I <sub>n</sub> (8/20μs)   | Up N/PE                | 1.5 kV   |
| Admissible short-circuit current   | I <sub>scrr</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  | Tu                     | -40/+85°C  |
| Protection rating  |                        | IP20   |
| Failsafe mode  |                        | Disconnection from AC network                      |
| Disconnection indicator  |                        | 1 mechanical indicator by pole                     |
| Spare module(s)  |                        | DSM40-320+DSM40G-600                               |
| Remote signaling of disconnection  |                        | option DS44S-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  |                        | Fuses type gG - 50 A                               |
| Standards  |                        |  |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5           |
| Certification  |                        | UL Recognized                                      |
| Part number  |                        |  |
| 461912   |                        |  |