

### DSM215-230/G



- ✦ Discover our latest innovation : the [DAC15C-11-275](#)
- ✦ Compact single-phase type 2 (or 3) surge protector
- ✦ In : 5 kA
- ✦ Imax : 15 kA
- ✦ Common/Differential mode
- ✦ Pluggable module
- ✦ Remote signaling option
- ✦ EN 61643-11, IEC 61643-11 compliance
- ✦ UL1449 ed.5



| Electrical Characteristics                                                                                  |         |                                                       |
|-------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------|
| SPD type                                                                                                    | IEC     | 2 (or 3)                                              |
| Network                                                                                                     |         | 230 V single-phase                                    |
| AC system                                                                                                   |         | TT-TN                                                 |
| Nominal line voltage                                                                                        | Un      | 230 Vac                                               |
| Max. AC operating voltage                                                                                   | Uc      | 255 Vac                                               |
| Max. load current<br>if series connection                                                                   | IL      | 20 A                                                  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>Without disconnection                              | UT      | 335 Vac withstand                                     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>Without disconnection or with safety disconnection | UT      | 440 Vac disconnection                                 |
| Temporary Over Voltage N/PE (TOV HT)<br>Without disconnection or with safety disconnection                  | UT      | 1200 V/300A/200 ms withstand                          |
| Residual Current<br>Leakage current to Ground                                                               | Ipe     | None                                                  |
| Follow current                                                                                              | If      | None                                                  |
| Nominal discharge current<br>15 x 8/20 µs impulses                                                          | In      | 5 kA                                                  |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole                                                  | Imax    | 15 kA                                                 |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50µs - 8/20µs                         | Uoc     | 10 kV                                                 |
| 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  | 1.5/0.9 kV                                            |
| Protection level L/N<br>@ In (8/20µs)                                                                       | Up L/N  | 0.9 kV                                                |
| Protection level N/PE<br>@ In (8/20µs)                                                                      | Up N/PE | 1.5 kV                                                |
| Admissible short-circuit current                                                                            | Iscrr   | 10 000 A                                              |
| Mechanical Characteristics                                                                                  |         |                                                       |
| Technology                                                                                                  |         | MOV+GDT                                               |
| SPD configuration                                                                                           |         | Single phase                                          |
| Connection to Network                                                                                       |         | By screw terminals: 1.5-10mm² (L/N) or 2.5-25mm² (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                                                                                     |         | 1 mechanical indicator                                |
| Spare module(s)                                                                                             |         | DSM215-230/G                                          |
| Remote signaling of disconnection                                                                           |         | Option DS215S-230/G : output on changeover contact    |
| 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 / CSA                                              |
| Part number                                                                                                 |         |                                                       |
| 451720                                                                                                      |         |                                                       |