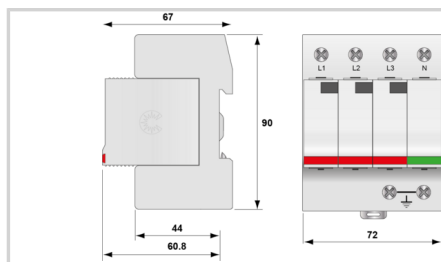


## DS44-230/G



- 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.4



## Electrical Characteristics

|                                                                                                            |                                 |
|------------------------------------------------------------------------------------------------------------|---------------------------------|
| SPD type (following IEC tests)                                                                             | 2                               |
| Network                                                                                                    | 230/400 V 3-phase+N             |
| AC system                                                                                                  | TT-TNS                          |
| 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 (Leakage current to Ground)                                                               | I <sub>pe</sub> None            |
| Follow current                                                                                             | I <sub>f</sub> None             |
| Nominal discharge current (15 x 8/20 µs impulses)                                                          | I <sub>n</sub> 20 kA            |
| Max. discharge current (max. withstand @ 8/20 µs by pole)                                                  | I <sub>max</sub> 40 kA          |
| Total Maximum discharge current (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 (@ 5 kA (8/20µs))                                                                 | Up-5kA 0.9 kV                   |
| Protection level L/N (@ In (8/20µs))                                                                       | Up L/N 1.25 kV                  |
| Protection level L/PE (@ In (8/20µs))                                                                      | Up L/PE 1.5 kV                  |
| Admissible short-circuit current                                                                           | I <sub>sc</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             | T <sub>u</sub> -40/+85°C                           |
| Protection rating                 | IP20                                               |
| Failsafe mode                     | Disconnection from AC network                      |
| Disconnection indicator           | 1 mechanical indicator by pole                     |
| Spare module(s)                   | DSM40-230+DSM40G-600                               |
| Remote signaling of disconnection | option DS44S-230/G: output on changeover contact   |
| Dimensions                        | See diagram                                        |
| Weight                            | 0.325 kg                                           |

## Disconnectors

|                                   |                      |
|-----------------------------------|----------------------|
| Thermal disconnector              | Internal             |
| Installation ground fault breaker | Type 'S' or delayed  |
| Fuses                             | Fuses type gG - 50 A |

## Standards

|                      |                                          |
|----------------------|------------------------------------------|
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.4 |
| Certification        | UL / CSA / EAC                           |

## Part number

461512



