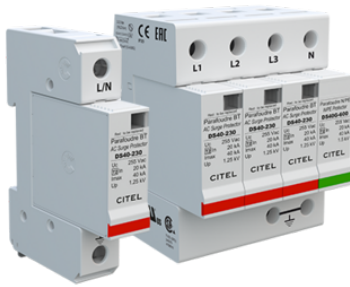


## DS44-230/G/DE



- › Type 2 AC Multipolar surge protector
- ›  $I_n$  : 20 kA
- ›  $I_{max}$  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                                                                                                 |                 | 2                                                  |
| Network                                                                                                  |                 | 230/400 V 3-phase+N                                |
| AC system                                                                                                |                 | TT-TNS                                             |
| Nominal line voltage                                                                                     | $U_n$           | 230 Vac                                            |
| Max. AC operating voltage                                                                                | $U_c$           | 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                                                               | $I_{pe}$        | None                                               |
| Follow current                                                                                           | $I_f$           | None                                               |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | $I_n$           | 20 kA                                              |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | $I_{max}$       | 40 kA                                              |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | $I_{max}$ Total | 40 kA                                              |
| Connection mode(s)                                                                                       |                 | L/N and N/PE                                       |
| Protection mode(s)                                                                                       |                 | Common/Differential mode                           |
| Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)                                                           | $U_{p-5kA}$     | 0.9 kV                                             |
| Protection level L/N @ $I_n$ (8/20 $\mu$ s)                                                              | $U_{p L/N}$     | 1.25 kV                                            |
| Protection level N/PE @ $I_n$ (8/20 $\mu$ s)                                                             | $U_{p N/PE}$    | 1.5 kV                                             |
| Admissible short-circuit current                                                                         | $I_{sc}$        | 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                                                                                    | $T_u$           | -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                                        |
| 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                                                                                            |                 | CSA / UL                                           |
| Part number                                                                                              |                 |                                                    |
| 46151220                                                                                                 |                 |                                                    |