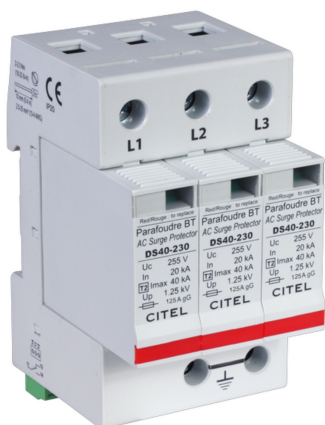




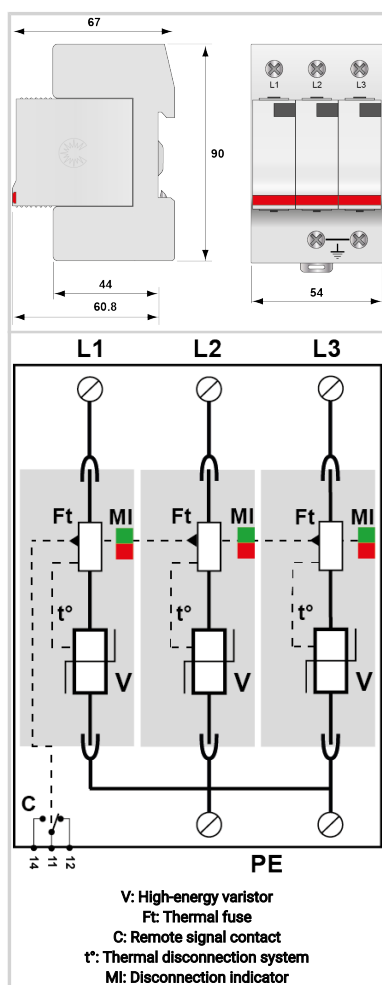
# CITEL



## Type 2 AC surge protector - 3-phase

### DS43S-230/DE

- Type 2 AC Multipolar surge protector
- In : 20 kA
- I<sub>max</sub> total : 40 kA
- Pluggable module for each phase
- Remote signaling
- NF EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5



#### Electrical Characteristics

|                                                                                                                    |                        |                       |
|--------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|
| SPD type                                                                                                           | IEC                    | 2                     |
| Network                                                                                                            |                        | 230/400V              |
| AC system                                                                                                          |                        | TNC                   |
| Nominal line voltage                                                                                               | Un                     | 230 Vac               |
| Max. AC operating voltage                                                                                          | Uc                     | 255 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT                     | 335 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT                     | 440 Vac disconnection |
| Residual Current<br><i>Leakage current to Ground</i>                                                               | I <sub>pe</sub>        | < 1.5 mA              |
| Follow current                                                                                                     | I <sub>f</sub>         | None                  |
| Nominal discharge current<br><i>15 x 8/20 µs impulses</i>                                                          | I <sub>n</sub>         | 20 kA                 |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i>                                                  | I <sub>max</sub>       | 40 kA                 |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 µs</i>                                           | I <sub>max</sub> Total | 120 kA                |
| Connection mode(s)                                                                                                 |                        | L/PE                  |
| Protection mode(s)                                                                                                 |                        | Common mode           |
| Residual voltage at 5 kA<br><i>@ 5 kA (8/20µs)</i>                                                                 | Up-5kA                 | 0.9 kV                |
| Protection level L/PE<br><i>@ I<sub>n</sub> (8/20µs)</i>                                                           | Up L/PE                | 1.25 kV               |
| Admissible short-circuit current                                                                                   | I <sub>sc</sub>        | 25 000 A              |

#### Mechanical Characteristics

|                                   |    |                                                    |
|-----------------------------------|----|----------------------------------------------------|
| Technology                        |    | MOV                                                |
| SPD configuration                 |    | 3-phase                                            |
| 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)                   |    | DSM40-230                                          |
| Remote signaling of disconnection |    | Output on changeover contact                       |
| Dimensions                        |    | See diagram                                        |
| Weight                            |    | 0.267 kg                                           |

#### 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 |
| Certification           |  |                            |
| Environmental standards |  | EU RoHS                    |

#### Part number

46152320

