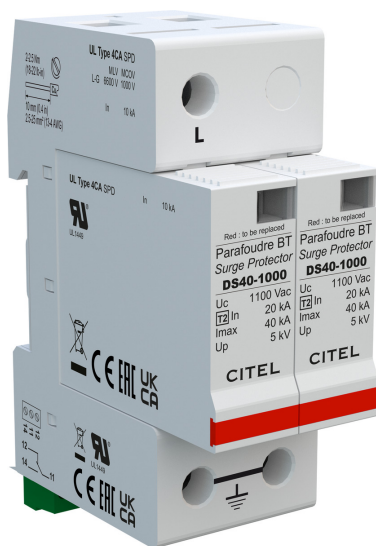




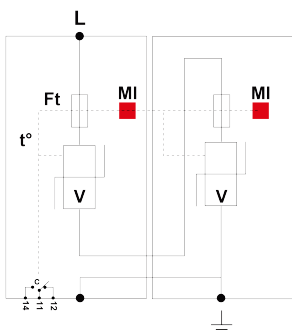
# CITEL



## Type 2 AC surge protector - 2-pole - pluggable

### DS41S-1000

- Type 2 AC surge protector
- In: 20 kA
- Imax total: 40 kA
- Pluggable module for each phase
- Remote signaling
- NF EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5 certified



V: High-energy varistor  
Ft: Thermal fuse  
C: Remote signal contact  
t\*: Thermal disconnection system  
MI: Disconnection indicator

| Electrical Characteristics                                                                               |       |                                   |
|----------------------------------------------------------------------------------------------------------|-------|-----------------------------------|
| SPD type                                                                                                 | IEC   | 2                                 |
| Nominal line voltage                                                                                     | Un    | 1000 Vac                          |
| Max. AC operating voltage                                                                                | Uc    | 1100 Vac                          |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT    | 1400 Vac withstand                |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT    | 1840 Vac disconnection            |
| Residual Current Leakage current to Ground                                                               | Ipe   | < 1 mA                            |
| Follow current                                                                                           | If    | None                              |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | In    | 20 kA                             |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | Imax  | 40 kA                             |
| Connection mode(s)                                                                                       |       | L/N or N/PE                       |
| Protection level @ In (8/20 $\mu$ s)                                                                     | Up    | 5 kV                              |
| Admissible short-circuit current                                                                         | Iscrr | 25 000 A                          |
| Mechanical Characteristics                                                                               |       |                                   |
| Technology                                                                                               |       | MOV                               |
| SPD configuration                                                                                        |       | 2-poles                           |
| Mounting                                                                                                 |       | Symmetrical rail 35 mm (EN 60715) |
| Housing material                                                                                         |       | Thermoplastic UL94 V-0            |
| Operating temperature                                                                                    | Tu    | -40/+85°C                         |
| Protection rating                                                                                        |       | IP20                              |
| Disconnection indicator                                                                                  |       | 2 mechanical indicators           |
| Spare module(s)                                                                                          |       | DSM40-1000                        |
| Remote signaling of disconnection                                                                        |       | 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                                                                                     |       | EN 61643-11 / IEC 61643-11        |
| Certification                                                                                            |       | UL Recognized                     |
| Environmental standards                                                                                  |       | EU RoHS                           |
| Part number                                                                                              |       |                                   |
| 462921                                                                                                   |       |                                   |

