



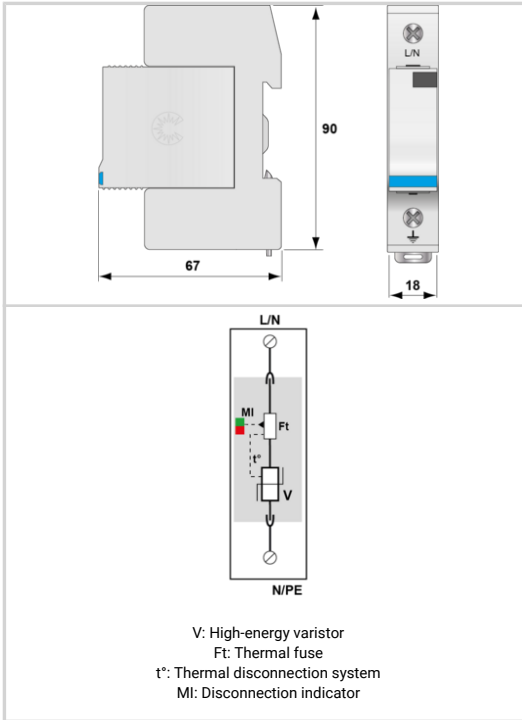
# CITEL

## Type 2 (or 3) AC surge protector - one-phase

### DS11-400



- ↳ Type 2 (or 3) AC one-phase surge protector
- ↳ In : 5 kA
- ↳ Imax : 10 kA
- ↳ Pluggable module by phase
- ↳ Remote signaling option
- ↳ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics   |            |  |
|--|------------|--|
| SPD type   |            | 2 (or 3)   |
| Network  |            | 230/400 V  |
| Nominal line voltage   | Un         | 400 Vac  |
| Max. AC operating voltage  | Uc         | 440 Vac  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT         | 580 Vac withstand                                  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT         | 770 Vac disconnection                              |
| Residual Current Leakage current to Ground   | Ipe        | < 0.5 mA   |
| Follow current   | If         | None   |
| Nominal discharge current 15 x 8/20 μs impulses  | In         | 5 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax       | 10 kA  |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | Imax Total | 10 kA  |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | Uoc        | 10 kV  |
| Withstand on overvoltages IEEE C62.41.1  |            | 10 kV  |
| Connection mode(s)   |            | L/N or N/PE  |
| Protection mode(s)   |            | Common Mode or Differential Mode                   |
| Protection level @ In (8/20μs)   | Up         | 1.3 kV   |
| Residual voltage at 5 kA @ 5 kA (8/20μs)   | Up-5kA     | 1.3 kV   |
| Admissible short-circuit current   | Iscrr      | 25 000 A   |
| Mechanical Characteristics   |            |  |
| Technology   |            | MOV  |
| SPD configuration  |            | Single 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                             |
| Spare module(s)  |            | DSM10-400  |
| Remote signaling of disconnection  |            | option DS11S-400 : output on changeover contact    |
| Dimensions   |            | See diagram  |
| Weight   |            | 0.153 kg   |
| 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 Recognized                                      |
| Part number  |            |  |
| 341401   |            |  |

