



Compact single-phase type 2 (or 3) surge protector - Monobloc

CITEL

DACN10S-20-275



- Cost effective single-phase surge protector
- Type 2 or 3 monobloc compact
- In/Imax: 5 kA/10 kA
- Max. load current: 25A
- 2-port configuration (series mounting)
- Remote signaling
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| | | | |
|--|--|--|---|
| | Electrical Characteristics | | |
| | SPD type | 2 (or 3) | |
| <p>V: Varistor Ft: Thermal fuse LED: Disconnection indicator t*: Thermal disconnection system C: Remote signal contact</p> | Network | 230 V single-phase | |
| | AC system | TN | |
| | Max. AC operating voltage | Uc | 275 Vac |
| | Max. load current @25°C | IL | 25 A |
| | 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 breaker disconnection |
| | Residual Current Leakage current to Ground | Ipe | 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 | 20 kA |
| | Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc | 10 kV |
| | Protection level L/N @ In (8/20µs) | Up L/N | 1.1 kV |
| | Protection level N/PE @ In (8/20µs) | Up N/PE | 1.1 kV |
| | Admissible short-circuit current | Isc cr | 10 000 A |
| | Mechanical Characteristics | | |
| | SPD configuration | | Single phase |
| | Connection to Network | | By screw terminals: 1.5-10mm ² |
| 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 | | Green LED OFF | |
| Remote signaling of disconnection | | output on NC contact | |
| Wiring for remote signaling | | 1.5 mm ² max. | |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 2 A (DC) | |
| Dimensions | | See diagram - 1TE (EN43880) | |
| Weight | | 0.0924 kg | |
| Disconnectors | | | |
| Thermal disconnector | | Internal | |
| Installation ground fault breaker | | Type 'S' or delayed | |
| Back-up protection device | | Fuses type gG - 25A | |
| Standards | | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 | |
| Part number | | | |
| 70113022 | | | |

