



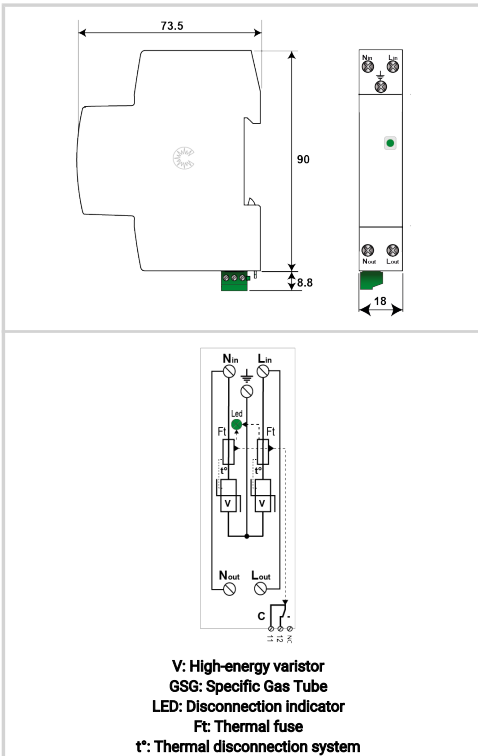
CITEL

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

DACN10S-20-440



- 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 | IEC | 2+3 |
| Network | | 230 V single-phase |
| AC system | | IT-TN |
| Max. AC operating voltage | Uc | 440 Vac |
| Max. load current @25°C | IL | 25 A |
| 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 | < 1 mA |
| 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: 1.2/50 μs - 8/20 μs | Uoc | 10 kV |
| Protection level N/PE @ In (8/20 μs) | Up N/PE | 1.6 kV |
| Protection level L/PE @ In (8/20 μs) | Up L/PE | 1.6 kV |
| Admissible short-circuit current | Iscrr | 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) |
| 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 | | |
| 70113032 | | |

