



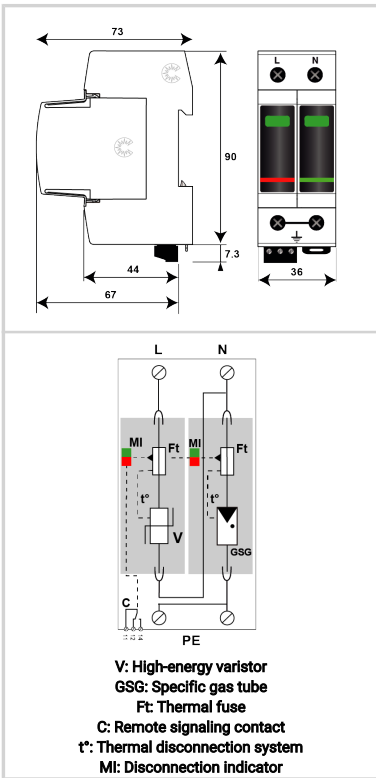
CITEL

Type 2 AC surge protector - Single-phase

DAC50S-11-275



- Type 2 AC surge protector
- In: 20 kA
- Imax: 50 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance



Electrical Characteristics

| | | |
|--|------------|------------------------------|
| SPD type | IEC | 2 |
| Network | | 230 V single-phase |
| AC system | | TT-TN |
| Max. AC operating voltage | Uc | 275 Vac |
| 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 withstand |
| Residual Current | | |
| Leakage current to Ground | Ipe | None |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 µs impulses | In | 20 kA |
| Max. discharge current max. withstand @ 8/20 µs by pole | Imax | 50 kA |
| Total Maximum discharge current max. total withstand @ 8/20 µs | Imax Total | 50 kA |
| Protection mode(s) | | L/N and N/PE |
| Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs) | Up L/N | 1.25 kV |
| Protection level N/PE @ In (8/20µs) and @ 6 kV (1,2/50 µs) | Up N/PE | 1.5 kV |
| Residual voltage L/N at 5 kA @ 5 kA (8/20µs) | Up-5kA | 1 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20µs) | Up-5kA | 1 kV |
| Admissible short-circuit current | Iscrr | 50 000 A |

Mechanical Characteristics

| | | |
|---|----|--|
| Technology | | MOV+GDT |
| SPD configuration | | Single phase |
| Connection to Network | | By screw terminals: 2.5-25mm ² |
| 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 - Red/Green |
| Spare module(s) | | MDAC50-275+MDAC50G-275 |
| Remote signaling of disconnection | | output on changeover contact |
| Wiring for remote signaling | | 1.5 mm ² max. |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 3 A (DC) |
| Dimensions | | See diagram - 2TE (EN43880) |

Disconnectors

| | | |
|-----------------------------------|--|--|
| Thermal disconnecter | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 50 A min. - 125 A max. - Fuses Type gG |

Standards

| | | |
|----------------------|--|----------------------------|
| Standards compliance | | IEC 61643-11 / EN 61643-11 |
| Certification | | ÖVE / UL |

| | | |
|--------------------|--|------------------|
| Part number | | 821110242 |
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