



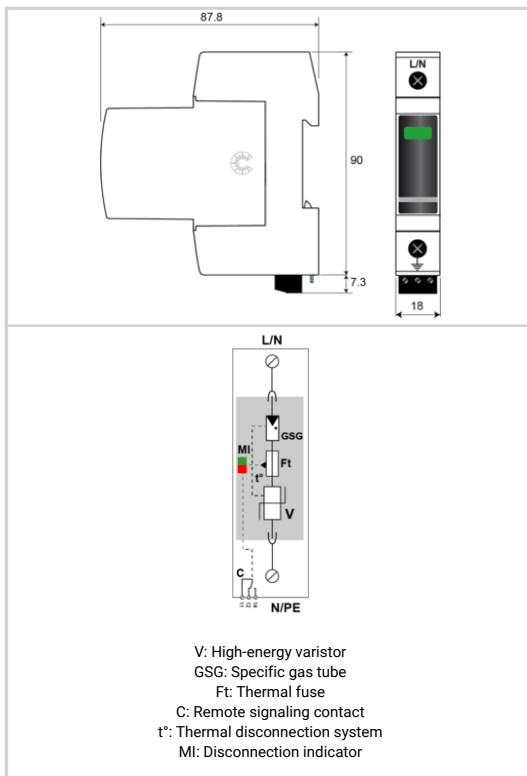
Type 1+2 AC surge protector - 1-pole

CITEL

DAC1-13VGS-10-150



- ↳ Type 1 + 2 + 3 AC surge protector
- ↳ VG Technology
- ↳ In : 20 kA
- ↳ Iimp : 12,5 kA on 10/350µs impulse
- ↳ No leakage current
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ Optimized to TOV
- ↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance
- ↳ Certified EN 61643-11 and IEC 61643-11



| Electrical Characteristics | |
|--|---|
| SPD type | 1+2+3 |
| Max. AC operating voltage | Uc 150 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT 180 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 230 Vac 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 | I _{max} 50 kA |
| Impulse current by pole max. withstand 10/350µs by pole | I _{imp} 12.5 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc 6 kV |
| Specific energy by pole max. withstand 10/350 µs | W/R 40 kJ/ohm |
| Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs) | Up 1.5 kV |
| Residual voltage at 5 kA @ 5 kA (8/20µs) | Up-5kA 0.4 kV |
| Admissible short-circuit current | I _{sc} 50 000 A |
| Mechanical Characteristics | |
| Technology | VG Technology (MOV+GSG) |
| SPD configuration | Single phase |
| Connection to Network | By screw terminals: 2.5-25mm ² (35mm ² rigid) |
| 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 - Red/Green |
| Spare module(s) | MDAC1-13VG-150 |
| 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 - 1TE (EN43880) |
| Weight | 0.146 kg |
| Disconnectors | |
| Thermal disconnector | Internal |
| Installation ground fault breaker | Type 'S' or delayed |
| Back-up protection device | 315 A max. - Fuses Type gG / or SFD1-25S |
| Standards | |
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | KEMA |
| Part number | |
| 821730121 | |

