



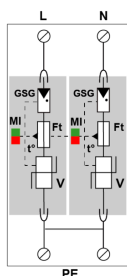
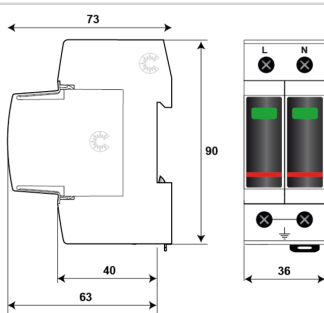
CITEL

Type 2 AC surge protector - Single-phase

DAC50VG-20-320



- ✦ Type 2 + 3 AC surge protector
- ✦ VG Technology
- ✦ In: 20 kA
- ✦ No leakage current
- ✦ Pluggable module for each phase
- ✦ Remote signaling (option)
- ✦ Optimized to TOV
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



V: High-energy varistor
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Disconnection indicator

| Electrical Characteristics | | | |
|--|------------|--|---|
| SPD type | IEC | | 2+3 |
| Network | | | 230 V single-phase |
| AC system | | | TN |
| Max. AC operating voltage | Uc | | 320 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 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 | | 100 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc | | 6 kV |
| Connection mode(s) | | | L/PE and N/PE |
| Protection level N/PE @ In (8/20µs) | Up N/PE | | 1.5 kV |
| Protection level L/PE @ In (8/20µs) | Up L/PE | | 1.5 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20µs) | Up-5kA | | 0.9 kV |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20µs) | Up-5kA | | 0.9 kV |
| Admissible short-circuit current | Iscrr | | 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 by pole - Red/Green |
| Spare module(s) | | | MDAC50VG-320 |
| Remote signaling of disconnection | | | option DAC50VGS-20-320 : output on changeover contact |
| Dimensions | | | See diagram - 2TE (EN43880) |
| Weight | | | 0.205 kg |
| Disconnectors | | | |
| Thermal disconnecter | | | Internal |
| Installation ground fault breaker | | | Type 'S' or delayed |
| Back-up protection device | | | 50 A min. - 160 A max. - Fuses Type gG |
| Standards | | | |
| Standards compliance | | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | | KEMA |
| Part number | | | |
| 821130312 | | | |

