



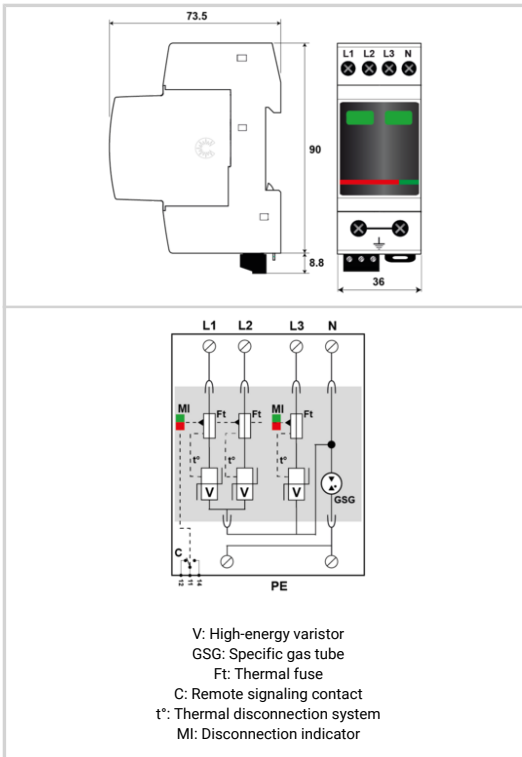
Type 2 AC surge protector - 3-phase+N

CITEL

DAC40CS-31-150



- ↳ Compact, multipole type 2
- ↳ Conductivity per pole: In= 20 kA; I_{max}= 40 kA
- ↳ Protection modes - common and/or differential
- ↳ Safe disconnect device
- ↳ Transverse / longitudinal voltage protection
- ↳ Energetically coordinated
- ↳ Pluggable protection module
- ↳ Remote signalling
- ↳ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



| Electrical Characteristics | | |
|--|------------------------|---|
| SPD type | | 2 |
| Network | | 120/208 V |
| AC system | | TT-TNS |
| Max. AC operating voltage | U _c | 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 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 | I _{pe} | None |
| Follow current | I _f | None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 20 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total | 40 kA |
| Protection mode(s) | | L/PE and N/PE |
| Protection level L/N @ I _n (8/20μs) | Up L/N | 0.9 kV |
| Protection level N/PE @ I _n (8/20μs) | Up N/PE | 1.5 kV |
| Admissible short-circuit current | I _{scrr} | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 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 | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 2 mechanical indicators - Red/Green |
| Spare module(s) | | MDAC40C-31-150 |
| 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 - 2TE (EN43880) |
| Disconnectors | | |
| Thermal disconnector | | 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 / UL1449 ed.5 |
| Certification | | KEMA |
| Part number | | |
| 821520122 | | |

