



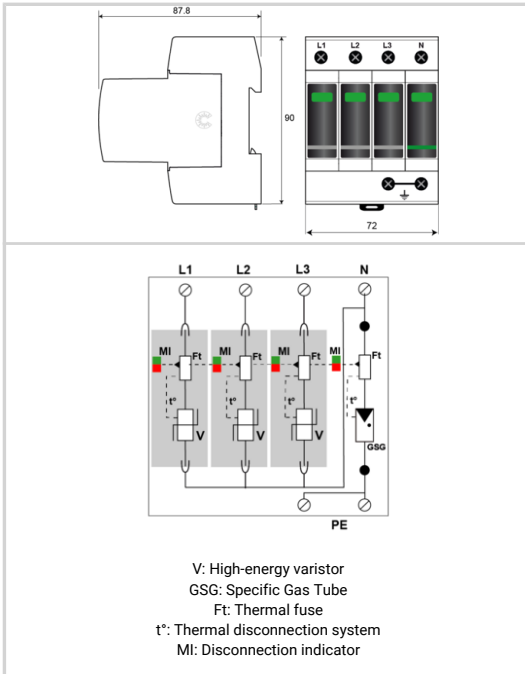
Type 1+2 AC surge protector - 3-phase+N

CITEL

DAC1-13-31-150



- Type 1 + 2 AC multipolar surge protector
- In: 20 kA
- Iimp: 12.5 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|------------|---|
| SPD type | | 1+2 |
| Network | | 120/208 V 3-phase+N |
| AC system | | TT-TNS |
| 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 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 μ s impulses | In | 20 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | Imax | 50 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μ s | Imax Total | 150 kA |
| Impulse current by pole max. withstand 10/350 μ s by pole | Iimp | 12.5 kA |
| Total lightning current max. total withstand @ 10/350 μ s | Itotal | 50 kA |
| Specific energy by pole max. withstand 10/350 μ s | W/R | 40 kJ/ohm |
| Protection mode(s) | | L/N and N/PE |
| Protection level L/N @ In (8/20 μ s) | Up L/N | 0.9 kV |
| Protection level N/PE @ In (8/20 μ s) | Up N/PE | 1.5 kV |
| Residual voltage L/N at 5 kA @ 5 kA (8/20 μ s) | Up-5kA | 0.6 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20 μ s) | Up-5kA | 0.6 kV |
| Admissible short-circuit current | Iscrr | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | 3-phase+Neutral |
| 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) | | MDAC1-13-150 |
| Remote signaling of disconnection | | option DAC1-13S-31-150 : output on changeover contact |
| Dimensions | | See diagram - 4TE (EN43880) |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuse assembly: SFD1-13S-31 / or 125 A min. - 315 A max. - Fuses Type gG |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | KEMA |
| Part number | | |
| 821710134 | | |

