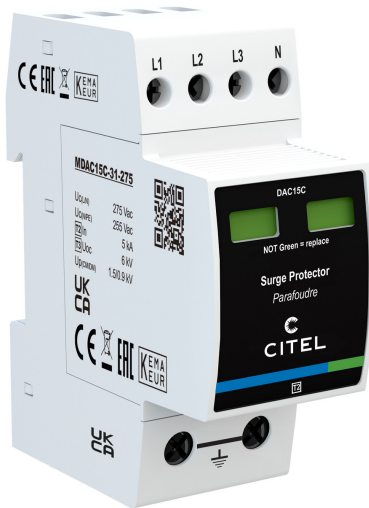




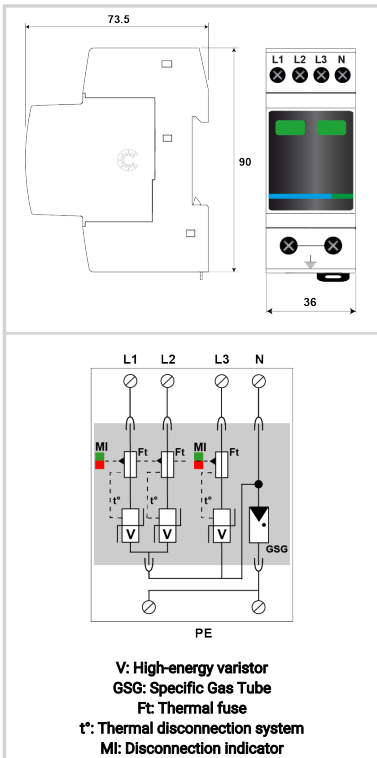
CITEL

Type 2 (or 3) AC surge protector - 3-phase+N

DAC15C-31-275



- ▶ Compact 3-phase+N Type 2 (or 3) surge protector
- ▶ In : 5 kA
- ▶ I_{max} : 15 kA
- ▶ Common mode/differential
- ▶ Pluggable module
- ▶ Remote signaling (option)
- ▶ EN 61643-11, IEC 61643-11 certified
- ▶ UL1449 ed.5 compliance



Electrical Characteristics

| | | |
|--|------------------------|------------------------------|
| SPD type | IEC | 2+3 |
| Network | | 230/400 V |
| AC system | | TT-TN |
| Max. AC operating voltage | U _c | 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 | I _{pe} | None |
| Follow current | I _f | None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 5 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 15 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total | 40 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U _{oc} | 10 kV |
| Protection mode(s) | | L/N and N/PE |
| Protection level L/N @ I _n (8/20μs) | Up L/N | 0.9 kV |
| Protection level L/PE @ I _n (8/20μs) | Up L/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) | | MDAC15C-31-275 |
| Remote signaling of disconnection | | Option DAC15CS-31-275 : output on changeover contact |
| Dimensions | | See diagram - 2TE (EN43880) |

Disconnectors

| | | |
|-----------------------------------|--|--|
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 20 A min. - 125 A max. - Fuses type gG |

Standards

| | | |
|----------------------|--|--|
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | KEMA |

Part number

821620212

