



Type 2 AC surge protector - 3-phase+N - Integrated fuses

CITEL

DACF25S-31-440

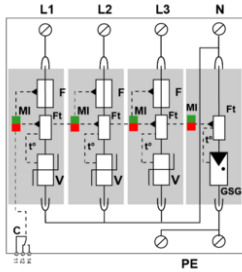
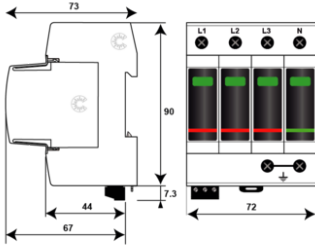


Type 2 AC surge protector

- ↳ In: 15 kA
- ↳ I_{max}: 25 kA
- ↳ Interne Disconnection device
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|------------------------|---|
| SPD type | | 2 |
| Network | | 230/400 V 3-phase+N |
| AC system | | IT |
| Max. AC operating voltage | U _c | 440 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 580 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 770 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection | UT | 1200 V/300A/200 ms withstand |
| Residual Current | I _{pe} | None |
| Leakage current to Ground | | |
| Follow current | I _f | None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 15 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 25 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max Total} | 50 kA |
| Connection mode(s) | | L/N and N/PE |
| Protection level L/N @ I _n (8/20μs) | Up L/N | 2 kV |
| Protection level N/PE @ I _n (8/20μs) | Up N/PE | 2 kV |
| Residual voltage L/N at 5 kA @ 5 kA (8/20μs) | Up-5kA | 1.5 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20μs) | Up-5kA | 1.5 kV |
| Admissible short-circuit current | I _{sc cr} | 100 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| 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 | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 1 mechanical indicator by pole - Red/Green |
| Spare module(s) | | MDACF25-440 + MDAC50G-255/F25 |
| 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 - 4TE (EN43880) |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | internal (equivalent AC rating : 40 A, gG Type) |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Part number | | |
| 821410444 | | |



V: High-energy varistor
 Ft: Thermal fuse
 F: Overcurrent protection (fuse)
 t*: Thermal disconnection system
 C: Remote signal contact
 MI: Disconnection indicator

