



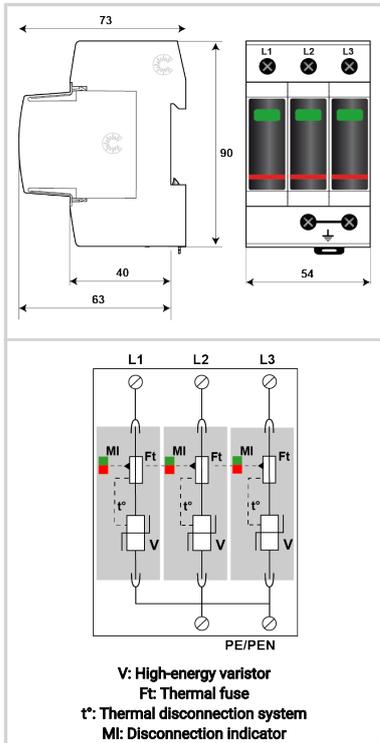
CITEL

Type 2 AC surge protector - 3-phase

DAC50-30-660



- ▶ Type 2 AC multipolar surge protector
- ▶ In: 20 kA
- ▶ I_{max}: 50 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 certified



Electrical Characteristics

| SPD type | IEC | 2 |
|----------------------------------------------------------------------------------------------------------|------------------------|------------------------|
| Network | | 600V 3-phase |
| AC system | | TNC |
| Max. AC operating voltage | U _c | 660 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 870 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 1150 Vac disconnection |
| Residual Current Leakage current to Ground | I _{pe} | < 1 mA |
| 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} | 50 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total | 150 kA |
| Protection mode(s) | | L/PE |
| Protection level L/PE @ I _n (8/20 μs) | U _p L/PE | 2.9 kV |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20 μs) | U _{p-5kA} | 2.4 kV |
| Admissible short-circuit current | I _{sc} | 50 000 A |

Mechanical Characteristics

| | | |
|-----------------------------------|----------------|---------------------------------------------------------------------|
| Technology | | MOV |
| SPD configuration | | 3-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 | T _u | -40/+85°C |
| Ingress Protection rating | | IP20 (NEMA 2) |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 1 mechanical indicator by pole - Red/Green |
| Spare module(s) | | MDAC50-660 |
| Remote signaling of disconnection | | option DAC50S-30-660 : output on changeover contact |
| Dimensions | | See diagram - 3 TE (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 |
| Certification | | ÖVE |

Part number

821110613

