



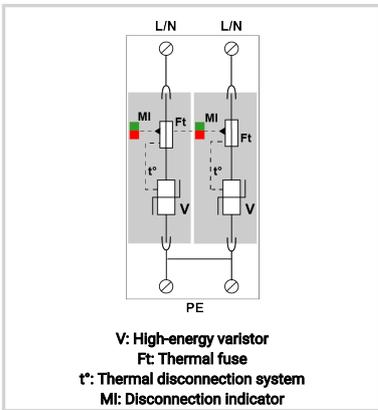
CITEL

Type 2 AC surge protector - Single-phase

DAC50-20-440



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



| Electrical Characteristics | | |
|--|------------|---|
| SPD type | IEC | 2 |
| Network | | 230 V single-phase |
| AC system | | IT |
| Max. AC operating voltage | Uc | 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 |
| Residual Current Leakage current to Ground | Ipe | < 1 mA |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 20 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 50 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | Imax Total | 100 kA |
| Protection mode(s) | | L/PE and N/PE |
| Protection level N/PE @ In (8/20μs) | Up N/PE | 2 kV |
| Protection level L/PE @ In (8/20μs) | Up L/PE | 2 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20μs) | Up-5kA | 1.5 kV |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20μs) | Up-5kA | 1.5 kV |
| Admissible short-circuit current | Iscrr | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV |
| SPD configuration | | Single 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 | Tu | -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) | | MDAC50-440 |
| Remote signaling of disconnection | | option DAC50S-20-440 : 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 | | 50 A min. - 125 A max. - Fuses Type gG |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 |
| Certification | | ÖVE |
| Part number | | |
| 821110412 | | |

