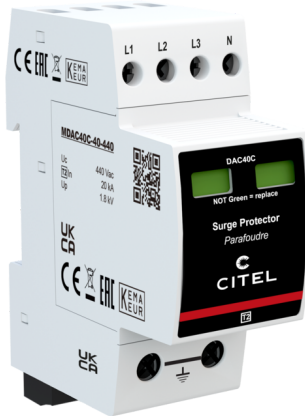
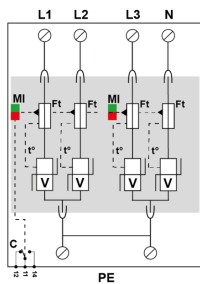
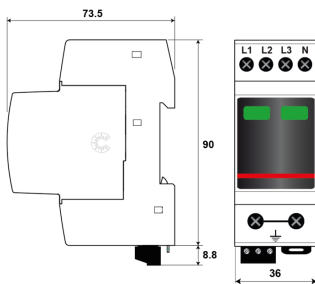


DAC40CS-40-440



- ✦ Compact, multipole type 2
- ✦ Conductivity per pole: $I_n = 20$ kA; $I_{max} = 40$ kA
- ✦ Protection modes - common and/or differential
- ✦ Safe disconnect device
- ✦ Transverse / longitudinal voltage protection
- ✦ Energetically coordinated
- ✦ Pluggable protection module
- ✦ Remote signalling
- ✦ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



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

| Electrical Characteristics | | | |
|--|------------------------|--|---|
| SPD type | IEC | | 2 |
| Network | | | 230/400 V |
| 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 μ s impulses | In | | 20 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I _{max} | | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μ s | I _{max} Total | | 160 kA |
| Protection mode(s) | | | L/PE and N/PE |
| Protection level N/PE @ In (8/20 μ s) | Up N/PE | | 1.8 kV |
| Protection level L/PE @ In (8/20 μ s) | Up L/PE | | 1.8 kV |
| Admissible short-circuit current | I _{sc} | | 10 000 A |
| Mechanical Characteristics | | | |
| Technology | | | MOV |
| 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 | Tu | | -40/+85°C |
| Protection rating | | | IP20 |
| Failsafe mode | | | Disconnection from AC network |
| Disconnection indicator | | | 2 mechanical indicators - Red/Green |
| Spare module(s) | | | MDAC40C-40-440 |
| 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 - 2TE (EN43880) |
| Weight | | | 0.275 kg |
| 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 / UL1449 ed.5 |
| Certification | | | KEMA |
| Part number | | | |
| 821510422 | | | |