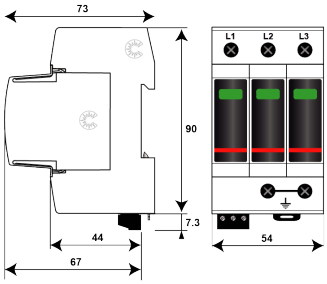
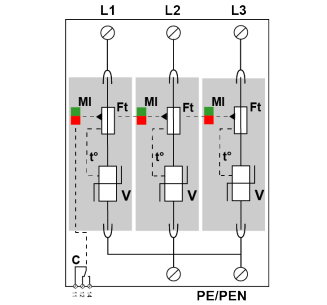
*Type 2 AC surge protector - 3-phase*

# DAC50S-30-440

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




**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 | | 230/400V |
| AC system | | IT |
| Max. AC operating voltage | Uc | 440 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>*Without disconnection* | UT | 580 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 770 Vac disconnection |
| Residual Current<br>*Leakage current to Ground* | Ipe | < 1 mA |
| Follow current | If | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 20 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 50 kA |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 150 kA |
| Protection mode(s) | | L/PE |
| Protection level L/PE<br>*@ In (8/20µs)* | Up L/PE | 2 kV |
| Residual voltage L/PE at 5 kA<br>*@ 5 kA (8/20µs)* | Up-5kA | 1.5 kV |
| Admissible short-circuit current | Isccr | 50 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 3-phase |
| Connection to Network | | By screw terminals: 2.5-25mm² |
| 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 | | 1 mechanical indicator by pole - Red/Green |
| Spare module(s) | | MDAC50-440 |
| Remote signaling of disconnection | | Output on changeover contact |
| Wiring for remote signaling | | 1.5 mm² max. |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 3 A (DC) |
| 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 | | OVE / UL |
| **Part number** | | |
| **821110423** | | |