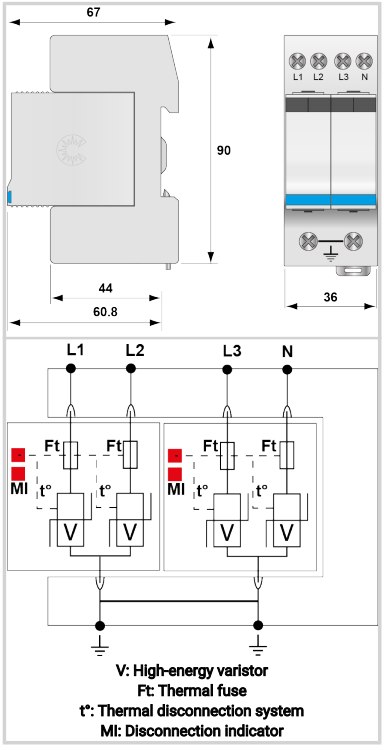
# *Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable*

## DS415-400




- **Discover our latest innovation : the DAC15C-40-440**
- Compact 3-phase+N type 2 (or 3) surge protector
- In: 5 kA
- Imax: 15 kA
- Common mode
- Pluggable module
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance




| Electrical Characteristics | | |
|---|---|---|
| SPD type | IEC | 2+3 |
| Network | | 230/400V |
| AC system | | IT |
| Nominal line voltage | Un | 400 Vac |
| 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 | < 0.5 mA |
| Follow current | If | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 5 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 15 kA |
| Withstand on Combination waveform IEC 61643-11<br>*Class III test: 1.2/50µs - 8/20µs* | Uoc | 10 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 10 kV |
| Connection mode(s) | | L/N and N/PE |
| Protection mode(s) | | Common mode |
| Residual voltage at 5 kA<br>*@ 5 kA (8/20µs)* | Up-5kA | 1.3 kV |
| Protection level CM/DM<br>*@ In (8/20µs)* | Up mc /md | 1.3 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 1.5-10mm² (L/N) or 2.5-25mm² (PE) |
| 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 | | 4 mechanical indicators |
| Spare module(s) | | DSM415-400 |
| Remote signaling of disconnection | | Option DS415S-400 : output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.261 kg |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 20 A / 40 A (gL/gG) |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | |
| **Part number** | | |
| **451402** | | |