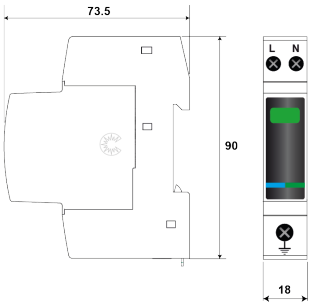
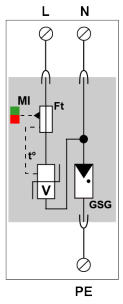
*Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable*

# DAC15C-11-320




- Compact single-phase Type 2 (or 3) surge protector
- In: 5 kA
- Imax: 15 kA
- Commun/Differential mode
- Pluggable module
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance




**V: High-energy varistor**
**GSG: Specific Gas Tube**
**Ft: Thermal fuse**
**t°: Thermal disconnection system**
**MI: Disconnection indicator**

| | | |
|---|---|---|
| **Electrical Characteristics** | | |
| SPD type | IEC | 2+3 |
| Network | | 230/400V |
| AC system | | TT-TN |
| Max. AC operating voltage | Uc | 320 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>*Without disconnection* | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 440 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT)<br>*Without disconnection or with safety disconnection* | UT | 1200 V/300A/200 ms withstand |
| Residual Current<br>*Leakage current to Ground* | Ipe | None |
| 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 |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 30 kA |
| Withstand on Combination waveform IEC 61643-11<br>*Class III test: 1.2/50µs - 8/20µs* | Uoc | 10 kV |
| Protection mode(s) | | L/PE and N/PE |
| Protection level N/PE<br>*@ In (8/20µs)* | Up N/PE | 1.5 kV |
| Protection level<br>*@ In (8/20µs) and @ 6 kV (1,2/50 µs)* | Up L/N | 1.1 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV+GDT |
| SPD configuration | | Single phase |
| Connection to Network | | By screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35mm² 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 | | 1 mechanical indicator - Red/Green |
| Spare module(s) | | MDAC15C-11-320 |
| Remote signaling of disconnection | | Option DAC15CS-11-320: 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 - 1TE (EN43880) |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 20 A min. - 125 A max. - Fuses type gG |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |

# DAC15C-11-320

| Certification | | KEMA |
|---|---|---|
| **Part number** | | |
| **821620311** | | |