



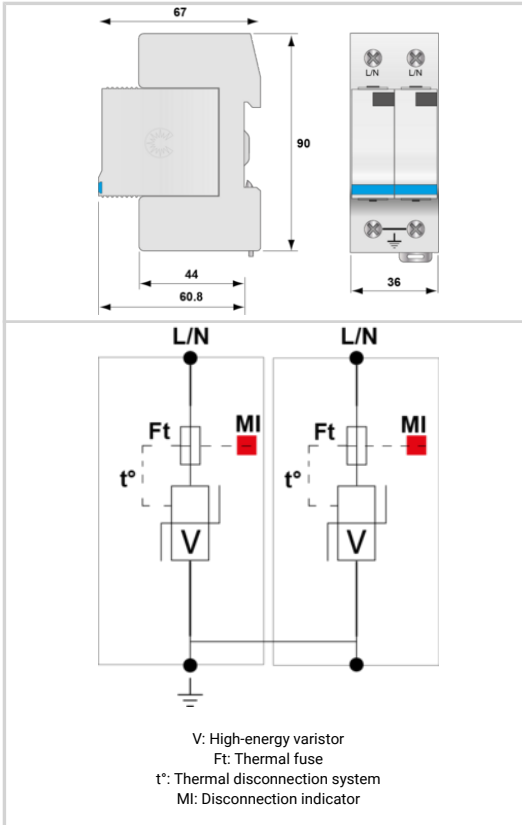
Type 2 (or 3) AC surge protector - Single-phase

CITEL

DS12-400



- › Discover our latest innovation : the [DAC15C-20-440](#)
- › Type 2 (or 3) AC Multipolar surge protector
- › In : 5 kA
- › I_{max} total: 20 kA
- › Pluggable module by phase
- › Remote signaling option
- › EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics | |
|--|--|
| SPD type | 2 (or 3) |
| Network | 230 V single-phase |
| AC system | IT |
| Nominal line voltage | U _n 400 Vac |
| Max. AC operating voltage | U _c 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 | I _{pe} < 1 mA |
| Follow current | I _f None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n 5 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} 10 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total 20 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U _{oc} 10 kV |
| Withstand on overvoltages IEEE C62.41.1 | 10 kV |
| Connection mode(s) | L/PE |
| Protection mode(s) | Common mode |
| Residual voltage at 5 kA @ 5 kA (8/20μs) | U _{p-5kA} 1.3 kV |
| Protection level L/PE @ I _n (8/20μs) | U _{p L/PE} 1.3 kV |
| Admissible short-circuit current | I _{sc cr} 25 000 A |
| Mechanical Characteristics | |
| Technology | MOV |
| SPD configuration | Single phase |
| Connection to Network | By screw terminals: 2.5-25mm ² / by bus |
| Format | Plug-in modular box |
| Mounting | Symmetrical rail 35 mm (EN 60715) |
| Housing material | Thermoplastic UL94 V-0 |
| Operating temperature | T _u -40/+85°C |
| Protection rating | IP20 |
| Failsafe mode | Disconnection from AC network |
| Disconnection indicator | 1 mechanical indicator by pole |
| Spare module(s) | DSM10-400 |
| Remote signaling of disconnection | option DS12S-400 : output on changeover contact |
| Dimensions | See diagram |
| Weight | 0.200 kg |
| 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 |
| Certification | UL Recognized |
| Part number | |
| 471401 | |

