



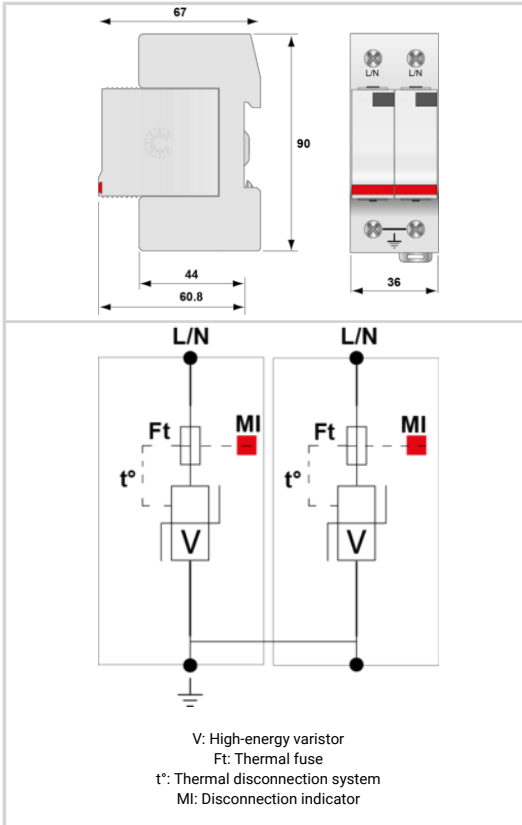
# Type 2 AC surge protector - Single-phase

# CITEL

## DS42-230



- ↳ Discover our latest innovation : the [DAC50-20-150](#)
- ↳ Type 2 AC Multipolar surge protector
- ↳ In: 20 kA
- ↳ Imax total: 80 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling option
- ↳ EN 61643-11, IEC 61643-11, UL1449 ed.5 certified



| Electrical Characteristics   |  |
|--|--|
| SPD type   | 2  |
| Network  | 230 V single-phase                                 |
| AC system  | TN   |
| Nominal line voltage   | Un 230 Vac   |
| Max. AC operating voltage  | Uc 255 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT 335 Vac withstand                               |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 440 Vac disconnection                           |
| Residual Current Leakage current to Ground   | Ipe < 1 mA   |
| Follow current   | If None  |
| Nominal discharge current 15 x 8/20 μs impulses  | In 20 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | Imax 40 kA   |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | Imax Total 80 kA                                   |
| Connection mode(s)   | L/PE and N/PE                                      |
| Protection mode(s)   | Common mode  |
| Residual voltage at 5 kA @ 5 kA (8/20μs)   | Up-5kA 0.9 kV                                      |
| Protection level L/PE @ In (8/20μs)  | Up L/PE 1.25 kV                                    |
| Admissible short-circuit current   | Iscrc 25 000 A                                     |
| Mechanical Characteristics   |  |
| Technology   | MOV  |
| SPD configuration  | Single phase                                       |
| Connection to Network  | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| 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                     |
| Spare module(s)  | DSM40-230  |
| Remote signaling of disconnection  | option DS42S-230 : output on changeover contact    |
| Dimensions   | See diagram  |
| Weight   | 0.182 kg   |
| Disconnectors  |  |
| Thermal disconnector   | Internal   |
| Installation ground fault breaker  | Type 'S' or delayed                                |
| Back-up protection device  | Fuses type gG - 50 A                               |
| Standards  |  |
| Standards compliance   | IEC 61643-11 / EN 61643-11 / UL1449 ed.5           |
| Certification  | UL / TUV   |
| Part number  |  |
| 461501   |  |

