



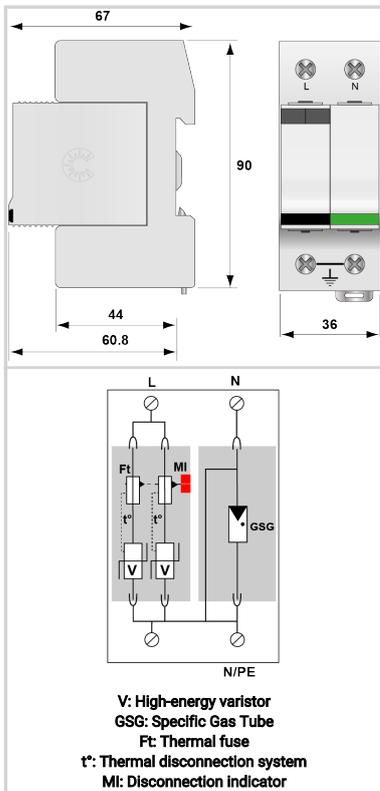
# CITEL

## Type 2 AC surge protector - 3-phase

### DS72R-120/G



- › Discover our latest innovation : the [DAC80-11-150](#)
- › Re-inforced Type 2 AC surge protector
- › In : 30 kA
- › Imax : 70 kA
- › Pluggable module by phase
- › Remote signaling option
- › IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics   |            |  |
|--|------------|--|
| SPD type   | IEC        | 2  |
| Network  |            | 120 V single-phase                                 |
| AC system  |            | TT   |
| Nominal line voltage   | Un         | 120 Vac  |
| Max. AC operating voltage  | Uc         | 150 Vac  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT         | 180 Vac withstand                                  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT         | 230 Vac disconnection                              |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT         | 1200 V/300A/200 ms withstand                       |
| Residual Current Leakage current to Ground   | Ipe        | None   |
| Follow current   | If         | None   |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses   | In         | 30 kA  |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole   | Imax       | 70 kA  |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | Imax Total | 70 kA  |
| Connection mode(s)   |            | L/N and N/PE                                       |
| Protection mode(s)   |            | Common/Differential mode                           |
| Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)   | Up-5kA     | 0.6 kV   |
| Protection level L/N @ In (8/20 $\mu$ s)   | Up L/N     | 1 kV   |
| Protection level N/PE @ In (8/20 $\mu$ s)  | Up N/PE    | 1.5 kV   |
| Admissible short-circuit current   | Iscrr      | 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  |            | 2 mechanical indicators by pole                    |
| Spare module(s)  |            | DSM70R-120 + DSM70G-600                            |
| Remote signaling of disconnection  |            | option DS72RS-120/G : output on changeover contact |
| Dimensions   |            | See diagram  |
| Disconnectors  |            |  |
| Thermal disconnector   |            | Internal   |
| Installation ground fault breaker  |            | Type 'S' or delayed                                |
| Back-up protection device  |            | 100 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  |            |  |
| <b>491611</b>  |            |  |

