



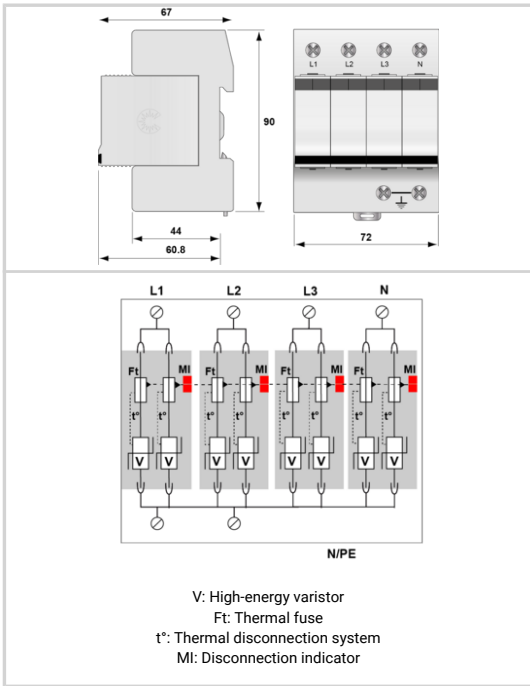
# Type 2 AC surge protector - 3-phase

# CITEL

## DS74R-400



- ↳ Re-inforced Type 2 AC Multipolar surge protector
- ↳ In: 30 kA
- ↳ I<sub>max</sub> total: 280 kA
- ↳ Pluggable module by phase
- ↳ Remote signaling option
- ↳ IEC 61643-11, EN 61643-11 compliance
- ↳ UL1449 ed.5 approved



| Electrical Characteristics   |  |
|--|--|
| SPD type   | 2  |
| Network  | 230/400 V 3-phase+N                                |
| AC system  | IT   |
| Nominal line voltage   | U <sub>n</sub> 400 Vac                             |
| Max. AC operating voltage  | U <sub>c</sub> 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 <sub>pe</sub> < 4 mA                             |
| Follow current   | I <sub>f</sub> None                                |
| Nominal discharge current 15 x 8/20 μs impulses  | I <sub>n</sub> 30 kA                               |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub> 70 kA                             |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max</sub> Total 280 kA                      |
| Connection mode(s)   | L/PE and N/PE                                      |
| Protection mode(s)   | Common mode  |
| Residual voltage at 5 kA @ 5 kA (8/20μs)   | U <sub>p-5kA</sub> 1.2 kV                          |
| Protection level N/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p N/PE</sub> 1.8 kV                         |
| Protection level L/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p L/PE</sub> 1.8 kV                         |
| Admissible short-circuit current   | I <sub>sc</sub> 25 000 A                           |
| Mechanical Characteristics   |  |
| Technology   | MOV  |
| SPD configuration  | 3-phase+Neutral                                    |
| 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  | T <sub>u</sub> -40/+85°C                           |
| Protection rating  | IP20   |
| Failsafe mode  | Disconnection from AC network                      |
| Disconnection indicator  | 2 mechanical indicators by pole                    |
| Spare module(s)  | DSM70R-400   |
| Remote signaling of disconnection  | option DS74RS-400 : output on changeover contact   |
| Dimensions   | See diagram  |
| Weight   | 0.496 kg   |
| 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  | CSA / UL   |
| Part number  |  |
| 491402   |  |

