



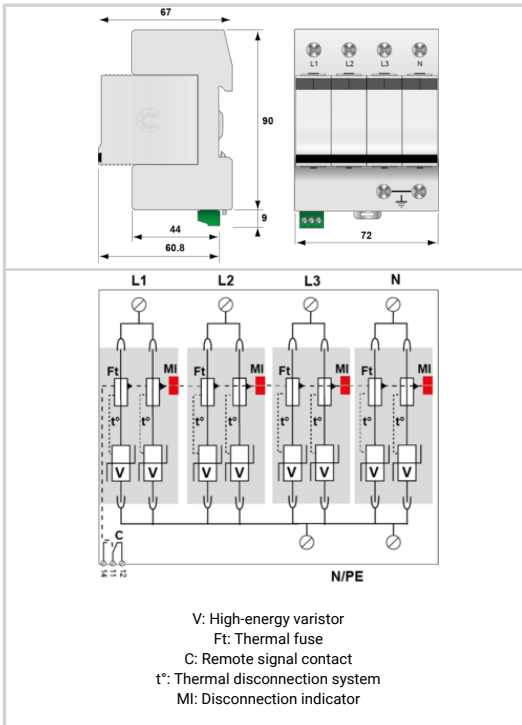
## Type 2 AC surge protector - 3-phase

# CITEL

## DS74RS-400



- ↳ Discover our latest innovation : the [DAC80S-40-440](#)
- ↳ Re-inforced Type 2 AC Multipolar surge protector
- ↳ In: 30 kA
- ↳ I<sub>max</sub> total: 280 kA
- ↳ Pluggable module by phase
- ↳ Remote signaling
- ↳ IEC 61643-11, EN 61643-11 compliance
- ↳ UL1449 ed.5 approved



| Electrical Characteristics   |                        |  |
|--|------------------------|--|
| SPD type   | IEC                    | 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 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  |                        | Output on changeover contact                       |
| Dimensions   |                        | See diagram  |
| Weight   |                        | 0.505 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  |                        | UL Recognized                                      |
| Part number  |                        |  |
| 491422   |                        |  |

