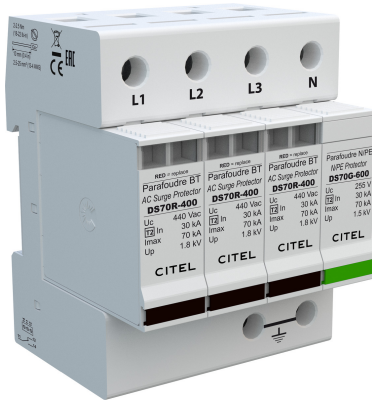




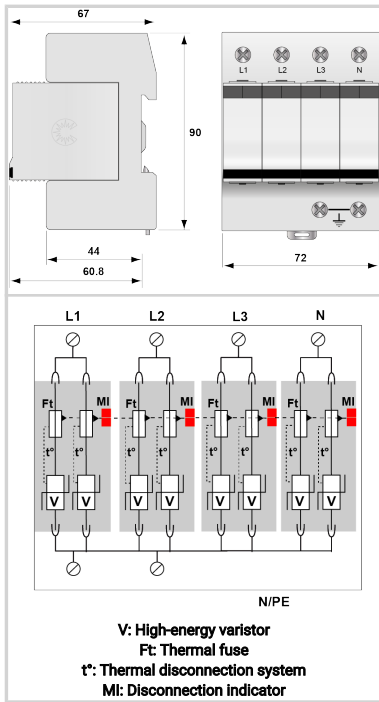
# CITEL

## Type 2 AC surge protector - 3-phase

### DS74R-400



- Discover our latest innovation : the [DAC80-40-440](#)
- Re-inforced Type 2 AC Multipolar surge protector
- In: 30 kA
- I<sub>max</sub> total: 280 kA
- Pluggable module by phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 compliance
- UL1449 ed.5 approved



#### Electrical Characteristics

|  |                        |                       |
|--|------------------------|-----------------------|
| SPD type   | IEC                    | 2                     |
| Network  |                        | 230/400 V             |
| 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.<br><i>Without disconnection</i>                              | UT                     | 580 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT                     | 770 Vac disconnection |
| Residual Current<br><i>Leakage current to Ground</i>   | I <sub>pe</sub>        | < 4 mA                |
| Follow current   | I <sub>f</sub>         | None                  |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>  | I <sub>n</sub>         | 30 kA                 |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>  | I <sub>max</sub>       | 70 kA                 |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i>   | 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<br><i>@ 5 kA (8/20 μs)</i>  | Up-5kA                 | 1.2 kV                |
| Protection level N/PE<br><i>@ I<sub>n</sub> (8/20 μs)</i>  | Up N/PE                | 1.8 kV                |
| Protection level L/PE<br><i>@ I<sub>n</sub> (8/20 μs)</i>  | Up L/PE                | 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

