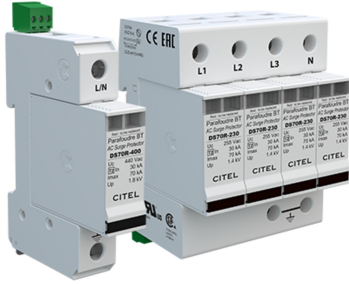




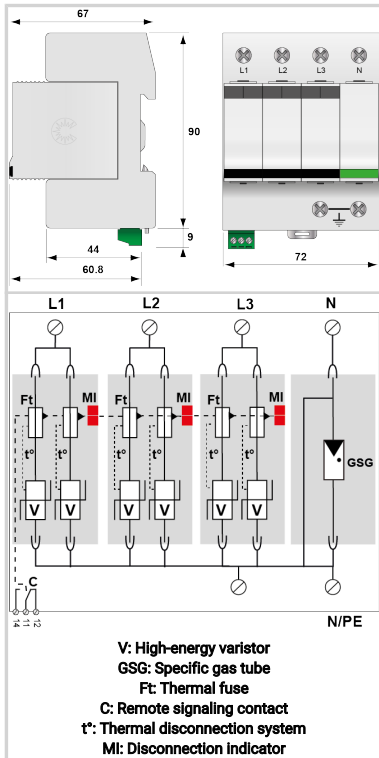
# CITEL

## Type 2 AC surge protector - 3-phase

### DS74RS-320/G



- ▶ Discover our latest innovation : the [DAC80S-31-320](#)
- ▶ Re-inforced Type 2 AC surge protector
- ▶ In : 30 kA
- ▶ Imax : 70 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                    |
| AC system   |            | TT-TNS                       |
| Nominal line voltage  | Un         | 230 Vac                      |
| Max. AC operating voltage   | Uc         | 320 Vac                      |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>Without disconnection                              | UT         | 335 Vac withstand            |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>Without disconnection or with safety disconnection | UT         | 440 Vac disconnection        |
| Temporary Over Voltage N/PE (TOV HT)<br>Without disconnection or with safety disconnection                  | UT         | 1200 V/300A/200 ms withstand |
| Residual Current<br>Leakage current to Ground   | Ipe        | None                         |
| Follow current  | If         | None                         |
| Nominal discharge current<br>15 x 8/20 µs impulses  | In         | 30 kA                        |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole  | Imax       | 70 kA                        |
| Total Maximum discharge current<br>max. total withstand @ 8/20 µs   | Imax Total | 70 kA                        |
| Connection mode(s)  |            | L/N and N/PE                 |
| Protection mode(s)  |            | Common/Differential mode     |
| Residual voltage at 5 kA<br>@ 5 kA (8/20µs)   | Up-5kA     | 1 kV                         |
| Protection level L/N<br>@ In (8/20µs)   | Up L/N     | 1.6 kV                       |
| Protection level N/PE<br>@ In (8/20µs)  | 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-320 + DSM70G-600                            |
| Remote signaling of disconnection |    | Output on changeover contact                       |
| Dimensions                        |    | See diagram  |
| Weight                            |    | 0.415 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

**491932**

