



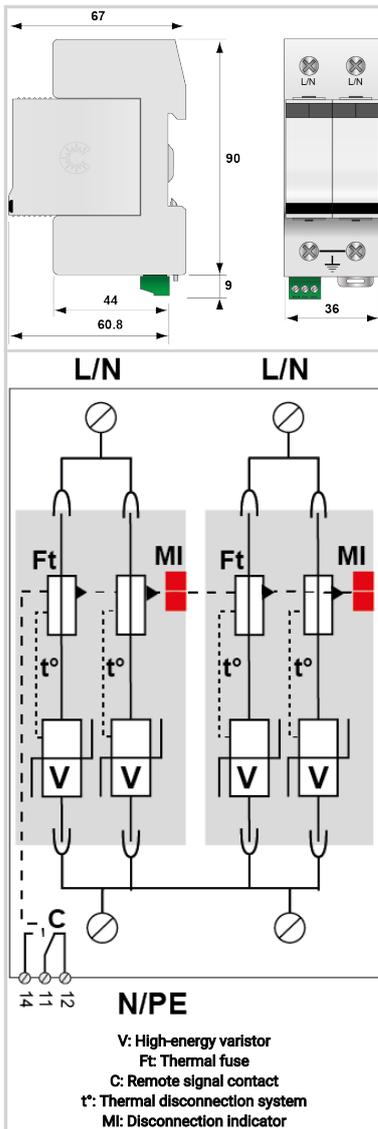
CITEL

Type 2 AC surge protector - Single-phase

DS72RS-320



- ▶ Discover our latest innovation : the [DAC80S-20-385](#)
- ▶ Re-inforced Type 2 AC surge protector
- ▶ In : 30 kA
- ▶ I_{max} : 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 | | TN |
| Max. AC operating voltage | U _c | 320 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT | 440 Vac disconnection |
| Residual Current <i>Leakage current to Ground</i> | I _{pe} | None |
| Follow current | I _f | None |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | I _n | 30 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 70 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | I _{max} Total | 140 kA |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode |
| Protection level N/PE <i>@ I_n (8/20μs)</i> | Up N/PE | 1.5 kV |
| Protection level L/PE <i>@ I_n (8/20μs)</i> | Up L/PE | 1.5 kV |
| Admissible short-circuit current | I _{sc} | 25 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV |
| SPD configuration | | Single phase |
| Connection to Network | | By screw terminals: 2.5-25mm ² / by bus |
| Format | | Plug-in modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 2 mechanical indicators by pole |
| Spare module(s) | | DSM72R-280 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.249 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 |
| Part number | | |
| 491921 | | |

