



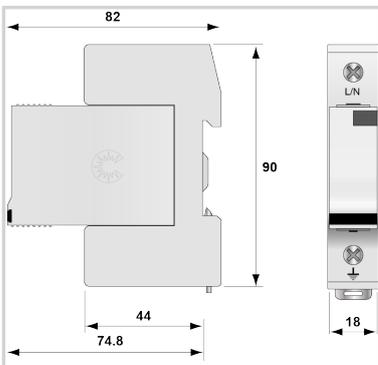
CITEL



Type 1+2 AC surge protector - 1-pole

DS131R-280

- Discover our latest innovation : the [DAC1-13-10-320](#)
- Type 1 + 2 AC surge protector
- In : 20 kA
- Iimp : 12,5 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 and UL1449 4ed. compliance



| Electrical Characteristics | | |
|--|-------|--|
| SPD type | IEC | 1+2 |
| Network | | 230/400 V |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 280 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 440 Vac disconnection |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 20 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 50 kA |
| Impulse current by pole max. withstand 10/350 μs by pole | Iimp | 12.5 kA |
| Withstand on overvoltages IEEE C62.41.1 | | 20 kV |
| Specific energy by pole max. withstand 10/350 μs | W/R | 40 kJ/ohm |
| Connection mode(s) | | L/N or N/PE |
| Protection mode(s) | | Common Mode or Differential Mode |
| Protection level @ In (8/20 μs) | Up | 1.3 kV |
| Admissible short-circuit current | Isccr | 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 | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 1 mechanical indicator |
| Spare module(s) | | DSM130R-280 |
| Remote signaling of disconnection | | option DS131RS-280 : output on changeover contact |
| Dimensions | | See diagram |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuses Type gG - 125 A |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | |
| Part number | | |
| 571101 | | |

