



CITEL



Type 1+2 AC surge protector - 1-pole

DS131VGS-230

- › Discover our latest innovation : the [DAC1-13VGS-10-275](#)
- › Type 1 + 2 + 3 AC surge protector
- › In : 20 kA
- › Iimp : 12,5 kA on 10/350µs impulse
- › Pluggable module
- › Optimized to TOV
- › Remote signaling
- › EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|-------|--|
| SPD type | IEC | 1+2+3 |
| Network | | 230/400 V |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 255 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 withstand |
| Residual Current <i>Leakage current to Ground</i> | Ipe | None |
| Follow current | If | None |
| Nominal discharge current <i>15 x 8/20 µs impulses</i> | In | 20 kA |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i> | Imax | 50 kA |
| Impulse current by pole <i>max. withstand 10/350µs by pole</i> | Iimp | 12.5 kA |
| Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i> | Uoc | 20 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 20 kV |
| Specific energy by pole <i>max. withstand 10/350 µs</i> | W/R | 40 kJ/ohm |
| Connection mode(s) | | L/N or N/PE |
| Protection mode(s) | | Common Mode or Differential Mode |
| Protection level <i>@ In (8/20µs)</i> | Up | 1.25 kV |
| Residual voltage <i>@ In (8/20 µs)</i> | Up-in | 0.6 kV |
| Admissible short-circuit current | Iscsr | 25 000 A |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| 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) | | DSM130VG-230 |
| Remote signaling of disconnection | | 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 |

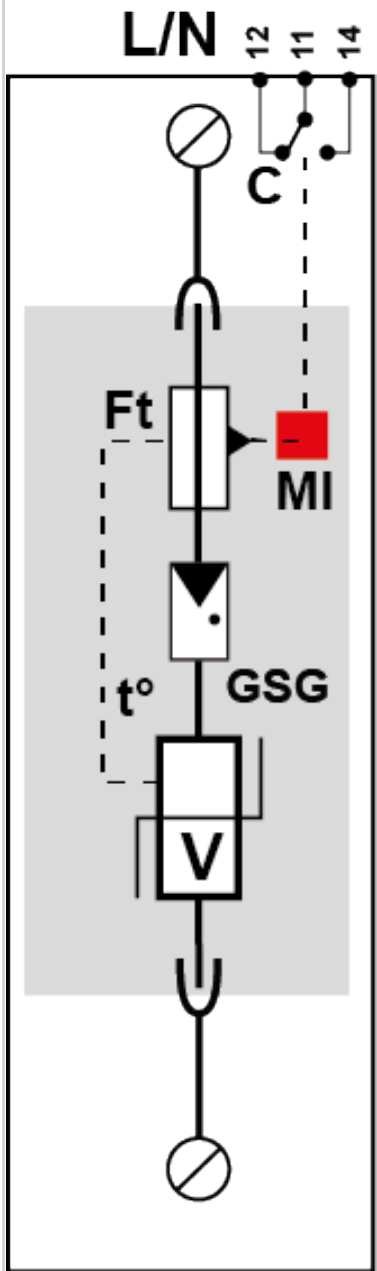
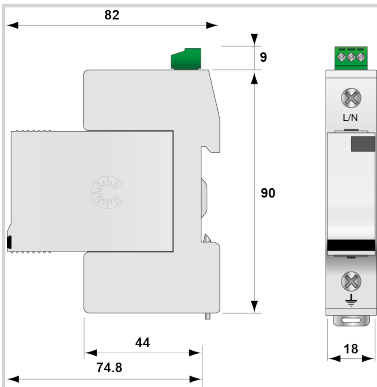


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Part number

571571



N/PE

- V: High-energy varistor
- GSG: Specific gas tube
- Ft: Thermal fuse
- C: Remote signaling contact
- t°: Thermal disconnection system
- MI: Disconnection Indicator

