



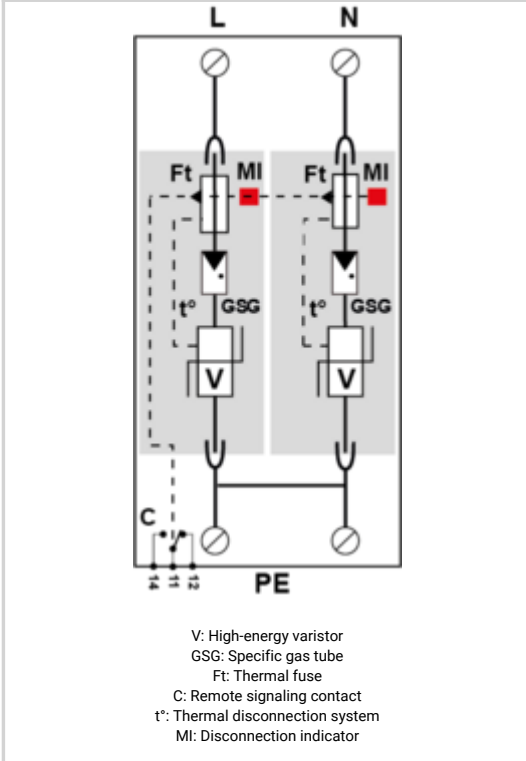
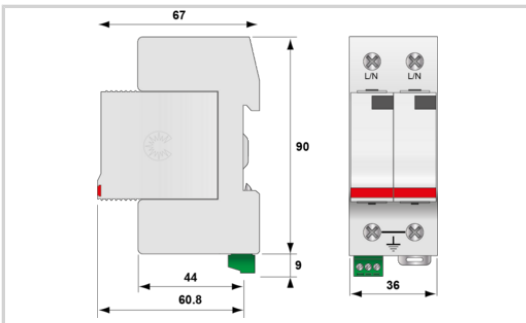
Type 2+3 AC surge protector - single-phase

CITEL

DS42VGS-230



- ↳ Discover our latest innovation : the [DAC50VGS-20-275](#)
- ↳ Type 2 + 3 AC Multipolar surge protector
- ↳ In : 20 kA
- ↳ I_{max} total: 80 kA
- ↳ Pluggable module
- ↳ Follow and operating current : none
- ↳ No ageing
- ↳ remote signaling state
- ↳ Optimized to TOV
- ↳ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|------------------------|--|
| SPD type | | 2+3 |
| Network | | 230 V single-phase |
| AC system | | TN |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 255 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 withstand |
| Residual Current Leakage current to Ground | I _{pe} | None |
| Follow current | I _f | None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 20 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total | 80 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U _{oc} | 6 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 20 kV |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode |
| Residual voltage @ I _n (8/20 μs) | U _{p-in} | 0.8 kV |
| Protection level L/PE @ I _n (8/20 μs) | U _p L/PE | 1.25 kV |
| Admissible short-circuit current | I _{scr} | 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 | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| Disconnection indicator | | 1 mechanical indicator by pole |
| Spare module(s) | | DSM40VG-230 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.19 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 50 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 | | |
| 461571 | | |

