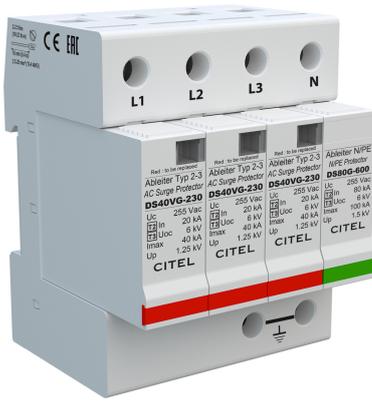




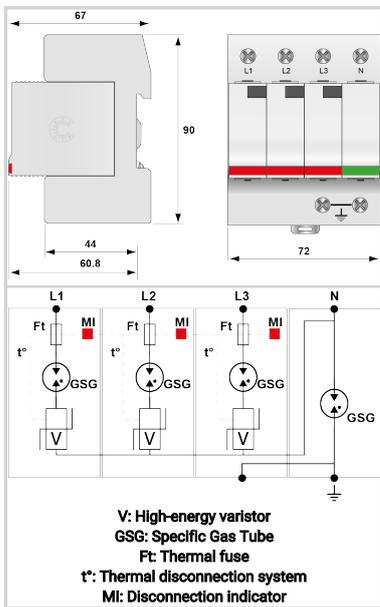
CITEL

Type 2+3 AC surge protector - 3-phase+N

DS44VG-230/G



- › Discover our latest innovation : the [DAC50VG-31-275](#)
- › Type 2 + 3 AC Multipolar surge protector
- › In : 20 kA
- › Imax total: 100 kA
- › Pluggable module
- › Follow and operating current : none
- › No ageing
- › Optional remote signaling state
- › Optimized to TOV
- › EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

| | | |
|--|------------|------------------------------|
| SPD type | IEC | 2+3 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TT-TNS |
| 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 |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection | UT | 1200 V/300A/200 ms withstand |
| Residual Current Leakage current to Ground | Ipe | None |
| 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 | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | Imax Total | 100 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | Uoc | 6 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 20 kV |
| Connection mode(s) | | L/N and N/PE |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage @ In (8/20 μs) | Up-in | 0.8 kV |
| Protection level L/N @ In (8/20μs) | Up L/N | 1.25 kV |
| Protection level N/PE @ In (8/20μs) | Up N/PE | 1.5 kV |
| Admissible short-circuit current | Iscrr | 25 000 A |

Mechanical Characteristics

| | | |
|-----------------------------------|----|---|
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | 3-phase+Neutral |
| 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 by pole |
| Spare module(s) | | DSM40VG-230+DSM80G-600 |
| Remote signaling of disconnection | | option DS44VGS-230/G : output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.323 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

461562

