



Imp
25kA

Din Rail AC Power Surge Protector

DS25xVG-120, DS25xVG-300



DS250VG-120

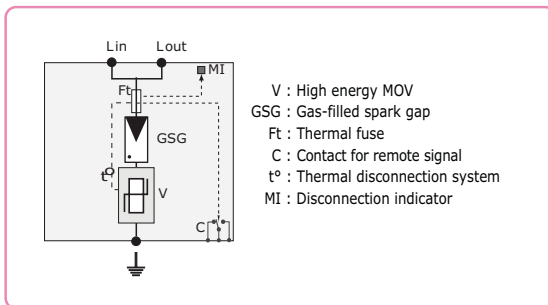
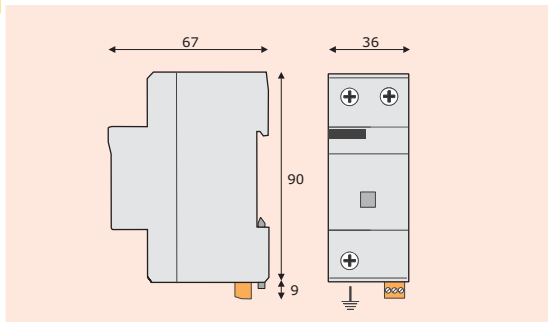


DS250VG is a heavy duty AC Surge Protection Device (SPD) for high risk, low tolerance electrical service entrance applications. The DS250VG provides protection against the direct and indirect effects of lightning and is particularly useful in a high lightning area where the risk of heavy surge current or even direct strike is high, i.e. buildings equipped with lightning rods.

The DS250VG is a one pole module that can be configured for both common and differential mode protection in any single or three phase application to 277/480Vac.

The DS250VG incorporates a patented MOV-GSG hybrid protection circuit that allows for very high surge current handling 25kA 10/350us, no leakage current to ground, no follow on current and the industry's lowest residual clamp voltages. The module is din rail mountable with dual terminal connectors for in-line wiring up to 250A. The DS250VG include integral thermal disconnection compliant to UL-60691, a visual fault indicator as well as remote signalization.

Dimensions and Diagram (in mm)

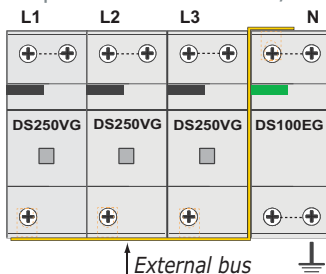


Characteristics

| CITEL Part Number | DS25xVG-120 | DS25xVG-300 |
|--|--|----------------------|
| AC Network | 120/208V 120/240V | 230/400V 277/480V |
| UL Max. Operating Voltage (MCOV) | 150Vac | 330Vac |
| TOV Withstand (UT) | 150Vac | 400Vac |
| IEC/UL Nominal Discharge Current (In) 15 impulses 8/20 µs | 30kA/20kA | 30kA/20kA |
| Max. Discharge Current (Imax) 1 impulse 8/20 µs | 70kA | 70kA |
| Max. Lightning Current (Iimp) 1 impulse 10/350 µs | 25kA | 25kA |
| UL Voltage Protection Rating (VPR) | 1200V | 1200V |
| Protection Level at In (Up) | 1.0kV | 1.5kV |
| UL Short-Circuit Current Rating (SCCR) | 100kAIC | 100kAIC |
| Connection Mode | L-N, L-G, N-G, L-L (where applicable) | |
| Leakage Current at MCOV (Ic) | none | Very Important |
| Follow Current (If) | none | |
| AC System | IT, TT, TN, Single, Split Phase, Delta, Wye | |
| Thermal Disconnector | UL 60691 | |
| Overcurrent Protection | Time Delay - 250A Max. | |
| Dimensions | 90 x 36 x 67 (in mm) | |
| Connection | by screw terminals, #4 AWG Max. | |
| Remote Signal Indicator | 250Vac Max, 2A | |
| Mounting | Din Rail, 35mm Symmetrical | |
| Operating Temp | -50°C to +85°C | |
| Operating Altitude | 13,000 ft (4,000m) | |
| Relative Humidity | 5 to 95% non-condensing, up to 100% external | |
| Enclosure Material | Thermoplastic UL94-5A | |
| Environmental Rating | IP20 | |
| Weight | 7.3 oz per module | |
| Standards Compliance | | |
| IEC 61643-1 - INTERNATIONAL | Class I and II | |
| EN 61643-11 - EUROPE | Class I and II | |
| NF EN 61643-11 - FRANCE | Class I and II | |
| UL1449 3rd Edition - USA | Type 4, Type 2 Location | |
| UL1449 3rd Edition - CANADA | Type 4, Type 2 Location | |
| CSA C22.2 No. 8-M1986 | Class 9091 32, Class 9091 92 | |
| RoHS | Directive 2002/95/EC | |

Association with DS100EG protectors

For example : DS254VG-300/G



DS25xVG-300/G

- « » = CT1 configuration (common mode)
- «G» = CT2 configuration (common and differential mode)
- Operating voltage
- «VG» = VG Technology
- Number of protected poles (1, 2, 3, 4)