

DS250VG-300



- >Type 1+2+3 unipolar surge protector
- >25 kA on 10/350 μ s impulse
- >Low voltage Up
- >Internal disconnection, status indicator and remote signaling
- >Optimized to TOV
- >IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	1+2+3	
Network	230/400 V	
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	255 Vac
Max. load current if series connection	IL	100 A
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	30 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	70 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I _{imp}	25 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U _{oc}	20 kV
Withstand on overvoltages IEC 62.41.1		20 kV
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R	156 kJ/ohm
Connection mode(s)	L/N or L/PE	
Protection mode(s)	Common Mode or Differential Mode	
Protection level <i>@ In (8/20 μs) and @ 6 kV (1.2/50 μs)</i>	Up	1.5 kV
Residual voltage <i>@ In (8/20 μs)</i>	Up-in	1.1 kV
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA	0.6 kV
Admissible short-circuit current	I _{scrr}	50 000 A
Mechanical Characteristics		
Technology	VG Technology (MOV+GSG)	
SPD configuration	Single phase	
Connection to Network	By screw terminals: 6-35mm ² / by bus	
Format	1-pole 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	
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 - 315 A	
Standards		
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification	UL / CSA	
Part number	2577	

