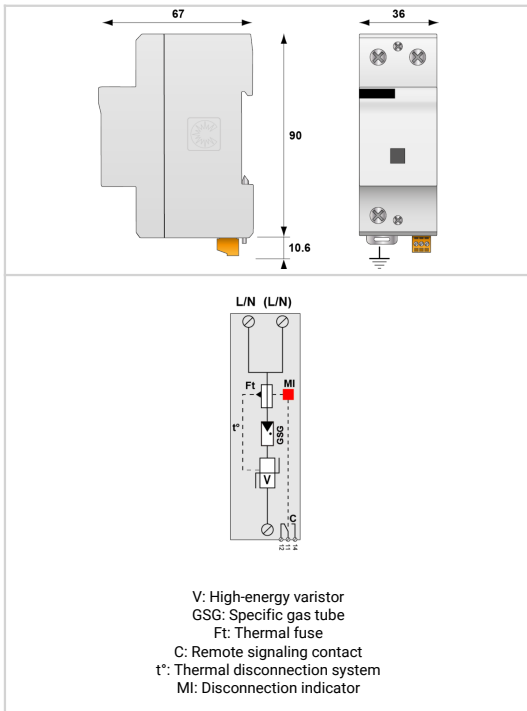


DS250VG-300/DE



- ✦ Type 1+2+3 unipolar surge protector
- ✦ 25 kA on 10/350µs 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	IEC	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. 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	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	30 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	70 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp}	25 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	20 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Connection mode(s)		L/N or L/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level @ In (8/20µs)	Up	1.5 kV
Residual voltage @ In (8/20 µs)	Up-in	1.1 kV
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV
Admissible short-circuit current	I _{sc}	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
Weight	0.28 kg

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	
	3300