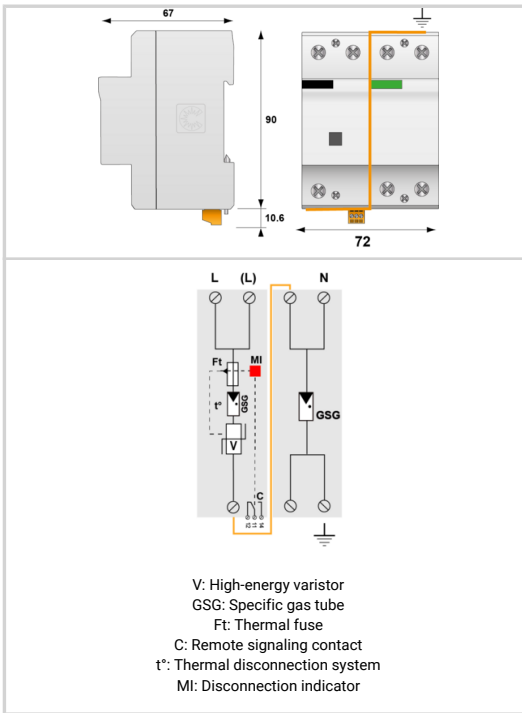


DS252VG-300/G



- 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 compliance
- UL1449 ed.4 recognition



Electrical Characteristics		
SPD type		1+2+3
Network		230 V single-phase
AC system		TT-TN
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
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	30 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	I <sub>max</sub>	70 kA
Impulse current by pole (max. withstand 10/350µs by pole)	I <sub>imp</sub>	25 kA
Total lightning current (max. total withstand @ 10/350µs)	I <sub>total</sub>	50 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 and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage (@ In (8/20 µs))	Up-in	1.1 kV
Protection level L/N (@ In (8/20µs))	Up L/N	1.5 kV
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.5 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		Single phase
Connection to Network		By screw terminals: 6-35mm <sup>2</sup> / by bus
Format		1-pole modular box assembled
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
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuse assembly: SFD1-25-11S / or Fuses Type gG 315 A
Standards		

**DS252VG-300/G**

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification	UL / EAC / TUV
Part number	
3403	

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