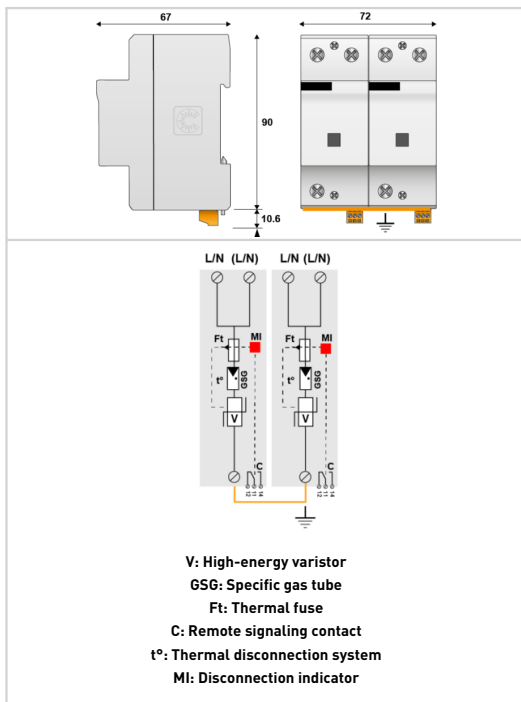


DS252VG-400



- 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 (following IEC tests)		1+2+3
Network		230 V single-phase
AC system		IT
Max. AC operating voltage L-N	Uc	440 Vac
Max. load current(if series connection)	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. (Without disconnection)	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn (Without disconnection or with safety disconnection)	UT	770 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)	Imax	70 kA
Impulse current by pole(max. withstand 10/350µs by pole)	Iimp	25 kA
Total lightning current(max. total withstand @ 10/350µs)	Itotal	50 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
Specific energy by pole(max. withstand 10/350 µs)	W/R	156 kJ/ohm
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage (@ In (8/20 µs))	Up-in	1.1 kV
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.5 kV
Protection level L/PE(@ In (8/20µs))	Up L/PE	1.5 kV
Admissible short-circuit current	Iscsr	50000 A

Mechanical Characteristics

Technology		VG
SPD configuration		Single phase
Connection to Network		By screw terminals : 6-35 mm ² / by bus
Format		1-pole modular box assembled
Mounting		Symmetrical rail 35 mm (DIN 60715)
Housing material		Thermoplastic UL94-V0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection
Disconnection indicator		1 mechanical indicator by pole
Remote signaling of disconnection		Output on changeover contact

Disconnectors

Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 315 A

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / EAC / TÜV

Part number

2579

