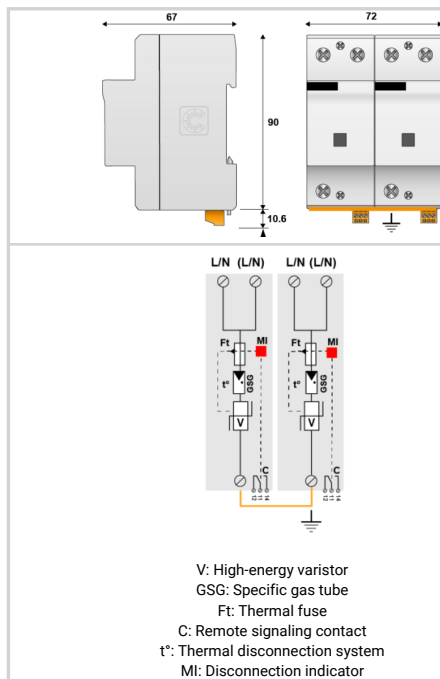


DS252VG-300



- 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	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
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
Total lightning current (max. total withstand @ 10/350µs)	I _{total} 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/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	I _{sc} 50 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 6-35mm² / 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 disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuse assembly: SFD1-25-20S / or Fuses Type gG 315 A

Standards

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



Type 1+2+3 AC surge protector - Single phase

AC POWER

DS252VG-300

Part number
3469

