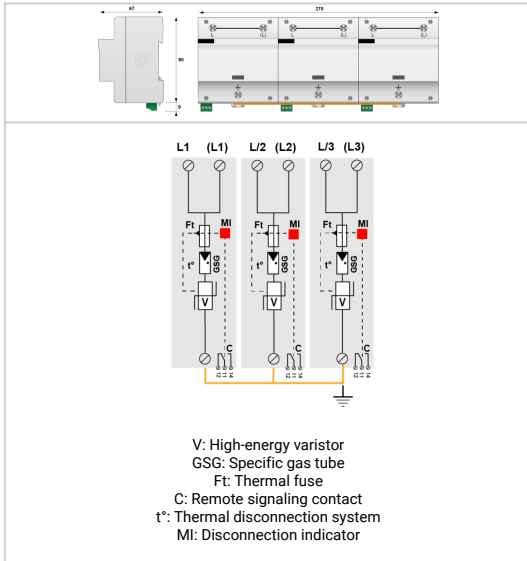


**DS253VG-1000**


- ✦ Type 1+2 surge protector
- ✦ In : 30 kA
- ✦ Iimp : 25 kA
- ✦ Low voltage Up
- ✦ Internal disconnection, status indicator
- ✦ Remote signaling
- ✦ IEC 61643-11, EN 61643-11 and UL1449 ed4 compliance



Electrical Characteristics		
SPD type	IEC	1+2+3
Network		1000 V 3-phase
AC system		TNC-IT
Nominal line voltage	Un	900 V
Max. AC operating voltage	Uc	1000 Vac
Max. load current @25°C	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1320 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1732 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 <sub>max</sub>	60 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I <sub>max</sub> Total	180 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>	75 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Protection level @ In (8/20µs)	Up	4.0 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	2.6 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
Connection to Network		By screw: 6-35mm <sup>2</sup> (50mm <sup>2</sup> flexible)
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 - 15 TE, DIN 43880
Weight		2 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		
Part number		
395701		