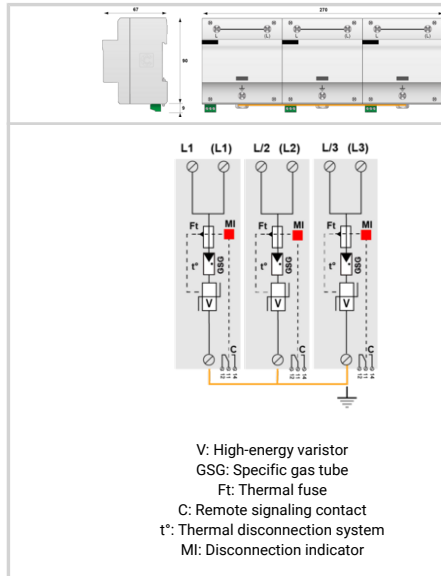


DS253VG-1000



- Type 1+2 surge protector
- I_n : 30 kA
- I_{imp} : 25 kA
- Low voltage U_p
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed4 compliance



Electrical Characteristics	
SPD type	1+2+3
Network	1000 V 3-phase
AC system	TNC-IT
Nominal line voltage	U_n 900 V
Max. AC operating voltage	U_c 1000 Vac
Max. load current	I_L 100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	U_T 1320 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	U_T 1732 Vac withstand
Residual Current Leakage current to Ground	I_{pe} None
Follow current	I_f None
Nominal discharge current 15 x 8/20 μ s impulses	I_n 30 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 60 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total 180 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I_{imp} 25 kA
Total lightning current max. total withstand @ 10/350 μ s	I_{total} 75 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	U_{oc} 6 kV
Specific energy by pole max. withstand 10/350 μ s	W/R 156 kJ/ohm
Protection level @ I_n (8/20 μ s)	U_p 4.0 kV
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	U_{p-5kA} 2.6 kV
Admissible short-circuit current	I_{scsr} 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase
Connection to Network	By screw: 6-35mm ² (50mm ² flexible)
Format	1-pole modular box assembled
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T_u -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
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuse assembly: SFD1-25-30S / or Fuses Type gG 315 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
395701	