



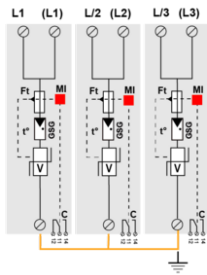
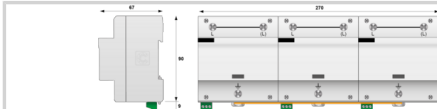
CITEL

Type 1+2 AC surge protector - 1-pole

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



V: High-energy varistor
 GSG: Specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

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 @25°C	I_L	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	I_{pe}	None
Follow current	I_f	None
Nominal discharge current 15 x 8/20 μs impulses	I_n	30 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I_{max}	60 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I_{max} Total	180 kA
Impulse current by pole max. withstand 10/350 μs by pole	I_{imp}	25 kA
Total lightning current max. total withstand @ 10/350 μs	I_{total}	75 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μs - 8/20 μs	U_{oc}	6 kV
Specific energy by pole max. withstand 10/350 μs	W/R	156 kJ/ohm
Protection level @ I_n (8/20 μs)	U_p	4.0 kV
Residual voltage at 5 kA @ 5 kA (8/20 μs)	U_{p-5kA}	2.6 kV
Admissible short-circuit current	I_{sc}	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
Weight		2 kg

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		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

