



Type 1+2 AC surge protector - 1-pole

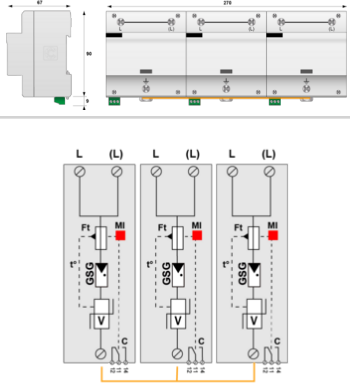
CITEL

DS253VG-690



- Type 1+2 surge protector
- For 400/690 V network
- 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



 <p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	Electrical Characteristics	
	SPD type	1+2
Network	400/690 Vac 3-phase	
AC system	TNC-IT	
Nominal line voltage	Un 690 Vac	
Max. AC operating voltage	Uc 760 Vac	
Max. load current if series connection	IL 100 A	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 1050 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 1350 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} 100 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} 75 kA	
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	
Protection mode(s)	Common mode	
Protection level L/PE @ In (8/20μs)	Up L/PE 4 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-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	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	
Weight	1.7 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		
3957		

