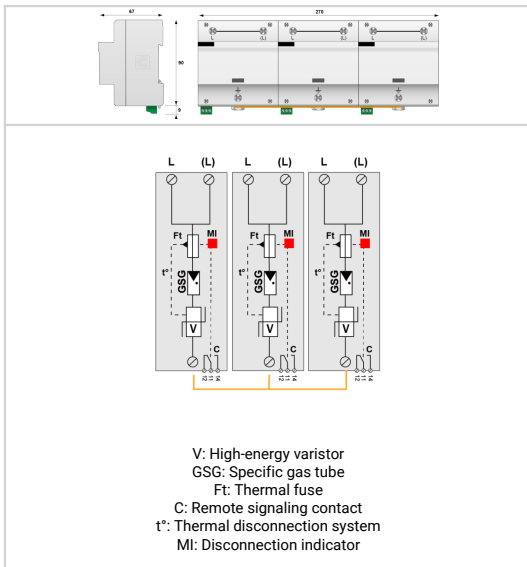


DS253VG-690



- ✦ 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



Electrical Characteristics		
SPD type	IEC	1+2+3
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		Fuses Type gG 315 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		
Part number		
3957		