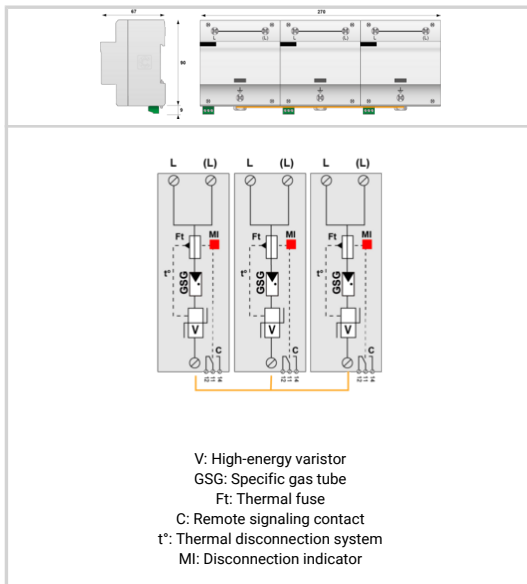


DS253VG-690



- Type 1+2 surge protector
- For 400/690 V network
- I_n : 30 kA
- I_{imp} : 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	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 μ s impulses	In 30 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 100 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 overvoltages IEEE C62.41.1	20 kV
Specific energy by pole max. withstand 10/350 μ s	W/R 156 kJ/ohm
Connection mode(s)	L/PE
Protection mode(s)	Common mode/Differential mode
Protection level L/PE @ In (8/20 μ s)	Up L/PE 4 kV
Residual voltage L/PE at 5 kA @ 5 ka (8/20 μ s)	Up-5kA 2.6 kV
Admissible short-circuit current	I _{sccr} 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
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	EAC
Part number	
3957	