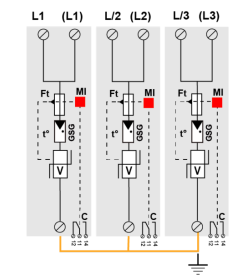
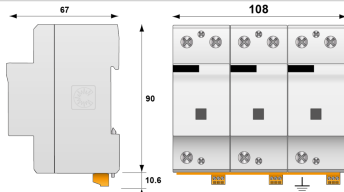


DS253VG-300



- Type 1+2+3 unipolar surge protector
- 25 kA on 10/350µs impulse
- Low voltage Up
- Internal disconnection, status indicator and remote signaling
- Optimized to TOV
- IEC 61643-11 and UL1449 ed.5 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	IEC	1+2+3	
Network		230/400 V 3-phase	
AC system		TNC	
Nominal line voltage	Un	230/400 Vac	
Max. AC operating voltage	Uc	255 Vac	
Max. load current if series connection	IL	100 A	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 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	Imax	70 kA	
Impulse current by pole max. withstand 10/350µs by pole	Iimp	25 kA	
Total lightning current max. total withstand @ 10/350µs	Itotal	75 kA	
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	20 kV	
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	
Residual voltage @ In (8/20 µs)	Up-in	1.1 kV	
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV	
Admissible short-circuit current	Iscrr	50 000 A	
Mechanical Characteristics			
Technology		VG Technology (MOV+GSG)	
SPD configuration		3-phase	
Connection to Network		By screw terminals: 6-35mm ² / by bus	
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		0.85 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		UL Recognized	
Part number			
3896			

