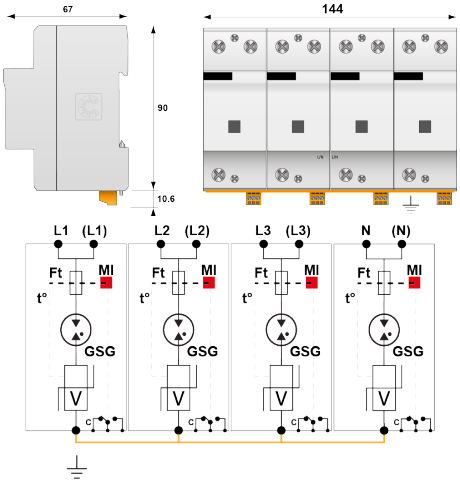


DS254VG-400

- 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 compliance
- UL1449 ed.4 recognition

Electrical Characteristics		
SPD type *following IEC test*		1+2+3
Network		230/400 V 3-phase+N
AC system		IT-TNS
Nominal line voltage	*Un*	400 Vac
Max. AC operating voltage L-N	*Uc*	440 Vac
Max. load current	*IL*	100 A
Temporary Over Voltage (TOV) Charasteristics - 5 sec. *without disconnection*	*UT*	580 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn *without disconnection or with safety disconnection*	*UT*	770 Vac withstand
Residual Current *Leakage current to Ground*	*Ipe*	None
Operating current *Continious current at Uc*	*Ic*	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*	100 kA
Withstand on Combinaison waveform IEC 61643-11 *Class III test: 1.2/50µs - 8/20µs*	*Uoc*	6 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Admissible short-circuit current	*Isccr*	50000 A
Connection mode(s)		L/PE and N/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
Specific energy by pole *max. withstand 10/350 µs*	*W/R*	156 kJ/ohm
Internal short circuit protection		No
Internal Thermal protection		Yes



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

Mechanical Characteristics		
Technology		VG
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals : 6-35 mm² / by bus
Format		1-pole modular box assembled
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		Disconnection
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		Fuses type gG - 315 A

Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		EAC

Part Number	2581