



- ✦ Type 2 + 3 AC Multipolar surge protector
- ✦ In : 20 kA
- ✦ I_{max} total: 100 kA
- ✦ Pluggable module
- ✦ Follow and operating current : none
- ✦ No ageing -remote signaling state
- ✦ Optimized to TOV
- ✦ EN 61643-11, IEC 61643-11, UL1449 ed.4 compliance



Electrical Characteristics		
SPD type (following IEC tests)		2+3
Network		277/480 V 3-phase
AC system		TT-TNS
Max. AC operating voltage L-N	U _c	305 Vac
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
Temporary Over Voltage N/PE (TOV HT) (Without disconnection or with safety disconnection)	UT	1200 V/300A/200 ms withstand
Residual Current(Leakage current to Ground)	I _{pe}	None
Follow current	I _f	None
Nominal discharge current (15 x 8/20 µs impulses)	I _n	20 kA
Max. discharge current(max. withstand @ 8/20 µs by pole)	I _{max}	40 kA
Total Maximal discharge current (max. total withstand @ 8/20 µs)	I _{max} Total	100 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	U _{oc}	6 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage (@ I _n [8/20 µs])	U _{p-in}	0.8 kV
Protection level L/N (@ I _n [8/20µs])	U _p L/N	1.25 kV
Admissible short-circuit current	I _{sc} cr	25000 A
Mechanical Characteristics		
Technology		VG
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-25 mm ² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (DIN 60715)
Housing material		Thermoplastic UL94-V0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40VG-230+DSM80G-600
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.342 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / EAC / TÜV



DS44VGS-277/G

Part number

462682

