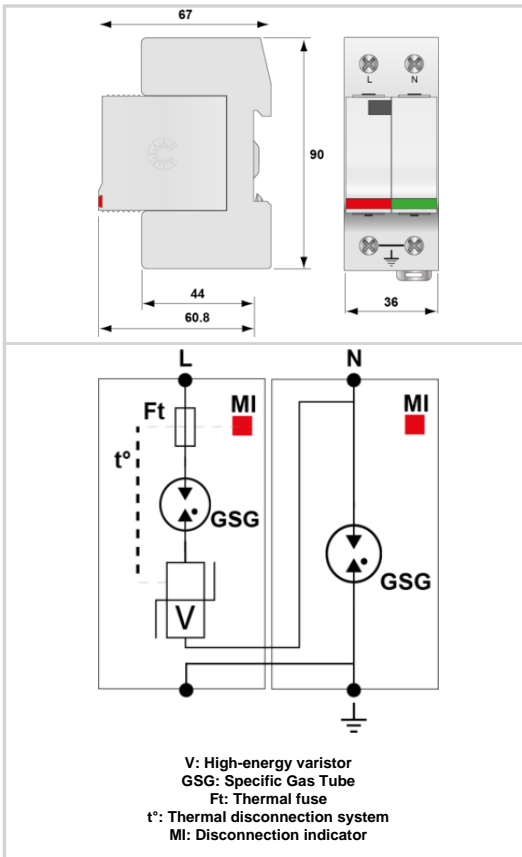


DS42VG-230/G



- Type 2 + 3 AC Multipolar surge protector
- In : 20 kA
- Imax total: 100 kA
- Pluggable module
- Follow and operating current : none
- No ageing
- Optional 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		230 V single-phase
AC system		TT-TN
Max. AC operating voltage	Uc	255 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)	Ipe	None
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8/20 µs)	Imax Total	80 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	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 (@ In (8/20 µs))	Up-in	0.8 kV
Protection level L/N (@ In (8/20µs))	Up L/N	1.25 kV
Admissible short-circuit current	Iscrr	25 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25 mm ² / by bus
Format		Plug-in modular box
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
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40VG-230+DSM80G-600
Remote signaling of disconnection		option DS42VGS-230/G : output on changeover contact
Dimensions		See diagram
Weight		0.18 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 ed.4
Certification		UL / EAC / TÜV
Part number		
461561		

