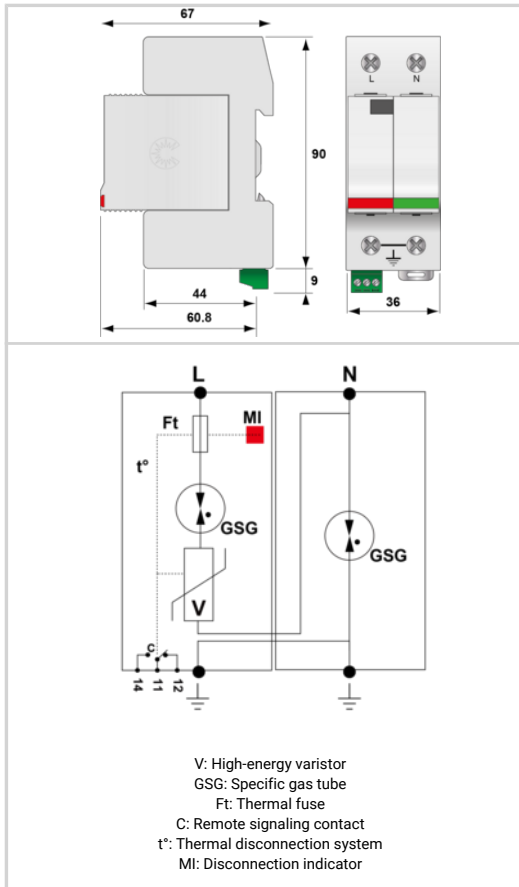


DS42VGS-230/G



- 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.5 compliance



Electrical Characteristics		
SPD type		2+3
Network		230 V single-phase
AC system		TT-TN
Nominal line voltage	Un	230 Vac
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	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 Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	80 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)	Up-in	0.8 kV
Protection level L/N @ I _n (8/20μs)	Up L/N	1.25 kV
Protection level N/PE @ I _n (8/20μs)	Up N/PE	1.5 kV
Admissible short-circuit current	I _{scrr}	25 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25mm 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 from AC network
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		0.18 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.5
Certification		
Part number		
461581		