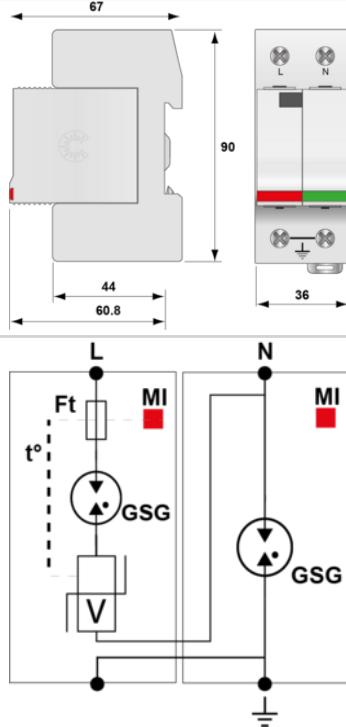


DS42VG-230/G



- 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.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	Ipe None
Follow current	If None
Nominal discharge current $15 \times 8/20 \mu\text{s impulses}$	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: 1.2/50 μs - 8/20 μs	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 (8/20 μs)	Up L/N 1.25 kV
Protection level N/PE @ In (8/20 μs)	Up N/PE 1.5 kV
Admissible short-circuit current	Isccr 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	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
Back-up protection device	Fuses type gG - 50 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL Recognized
Part number	
461561	



V: High-energy varistor
GSG: Specific Gas Tube
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

