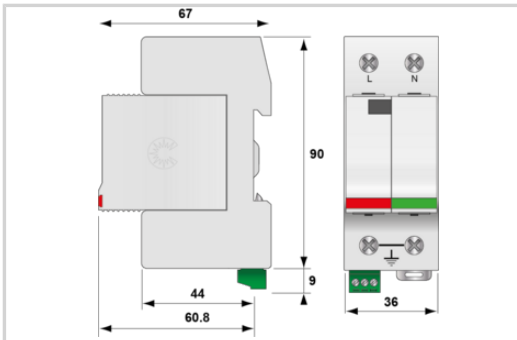


### DS42VGS-120/G



- Type 2 + 3 AC Multipolar surge protector
- In : 20 kA
- Imax 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	120 V single-phase
AC system	TT-TN
Nominal line voltage	Un 120 Vac
Max. AC operating voltage	Uc 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 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 0.6 kV
Protection level L/N @ In (8/20μs)	Up L/N 1.25 kV
Protection level N/PE @ In (8/20μs)	Up N/PE 1.5 kV
Admissible short-circuit current	Iscrr 25 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / 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-120+DSM80G-600
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.177 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	UL Recognized
<b>Part number</b>	<b>461681</b>