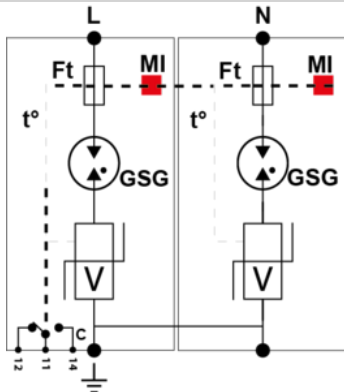
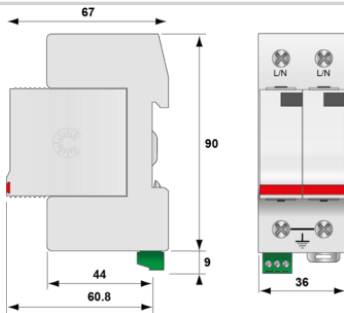


DS42VGS-230



- Type 2 + 3 AC Multipolar surge protector
- I_n : 20 kA
- I_{max} total: 80 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



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	2+3
Network	230 V single-phase
AC system	TN
Nominal line voltage	U_n 230 Vac
Max. AC operating voltage	U_c 255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	U_T 580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	U_T 770 Vac withstand
Residual Current Leakage current to Ground	I_{pe} None
Follow current	I_f None
Nominal discharge current 15 x 8/20 μ s impulses	I_n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total 80 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	U_{oc} 6 kV
Withstand on overvoltages IEEE C62.41.1	20 kV
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode/Differential mode
Residual voltage @ I_n (8/20 μ s)	U_{p-in} 0.8 kV
Protection level L/PE @ I_n (8/20 μ s)	$U_{p-L/PE}$ 1.25 kV
Admissible short-circuit current	I_{scrr} 25 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	Single 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	T_u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40VG-230
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.19 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

Part number

461571