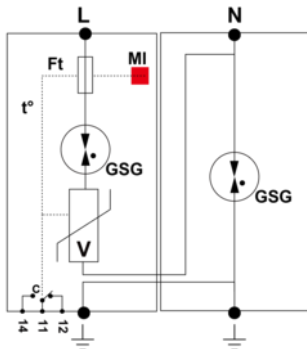
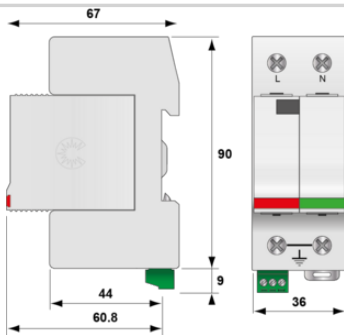


DS42VGS-230/G



- 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



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	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 x 8/20 µs impulses	In 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	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	I _{sc} 25 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase
Connection to Network	By screw terminals: 2.5-25mm² / 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

label.propertyGroup.DISCONNECTOR

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	EAC

Part number

461581