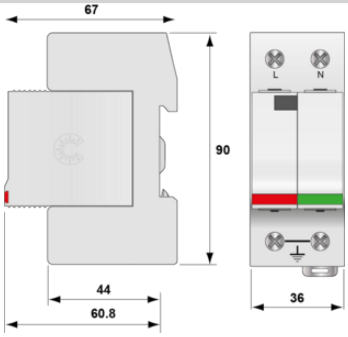
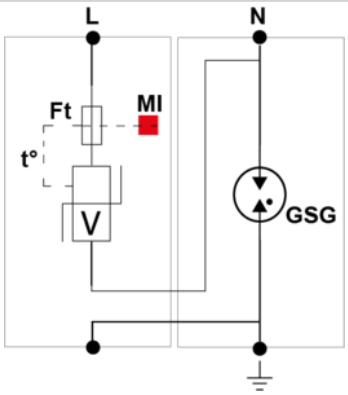
Type 2 AC surge protector - Single-phase

DS42-320/G

- Type 2 AC Multipolar surge protector
- In : 20 kA
- Imax total : 40 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5





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

Electrical Characteristics		
SPD type		2
Network		230 V single-phase
AC system		TT-TN
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
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	40 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residuel voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV
Protection level L/N @ In (8/20µs)	Up L/N	1.5 kV
Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV
Admissible short-circuit current	Isccr	25 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		Single 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)		DSM40-320+DSM40G-600
Remote signaling of disconnection		option DS42S-320/G : output on changeover contact
Dimensions		See diagram
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 / CSA / EAC
Part number		
461911		