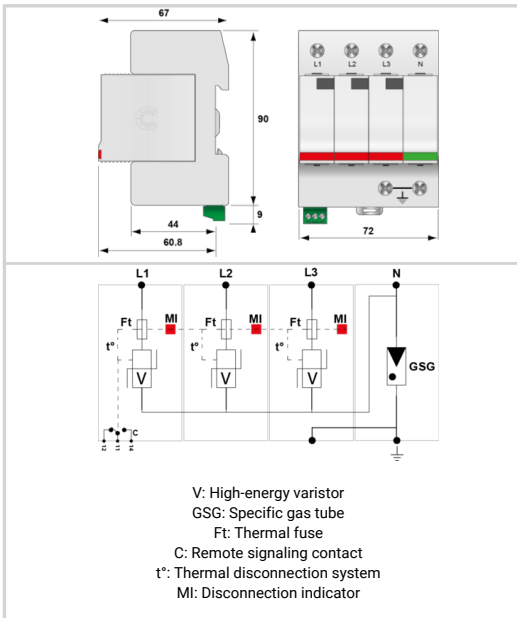


DS44S-120/G



- ▶ Type 2 AC Multipolar surge protector
- ▶ I_n : 20 kA
- ▶ I_{max} total : 40 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 compliance
- ▶ UL1449 ed.5



Electrical Characteristics	
SPD type	2
Network	120/208 V 3-phase+N
AC system	TT-TNS
Nominal line voltage	U_n 120 Vac
Max. AC operating voltage	U_c 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 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	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 40 kA
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	Up-5kA 0.6 kV
Protection level L/N @ I_n (8/20 μ s)	Up L/N 0.9 kV
Protection level N/PE @ I_n (8/20 μ s)	Up N/PE 1.5 kV
Admissible short-circuit current	I_{sc} 25 000 A
Mechanical Characteristics	
Technology	MOV+GDT
SPD configuration	3-phase+Neutral
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)	DSM40-120+DSM40G-600
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.316 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
Part number	
461632	