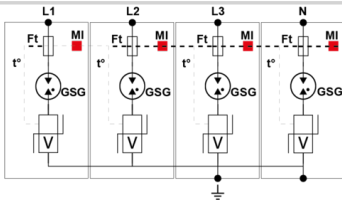


DS44VG-120



- ↳ Type 2 + 3 AC Multipolar surge protector
- ↳ In : 20 kA
- ↳ I_{max} total: 160 kA
- ↳ Pluggable module
- ↳ Follow and operating current : none
- ↳ No ageing
- ↳ Optional 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
 t°: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics		
SPD type		2+3
Network		120/208 V 3-phase+N
AC system		TNS
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
Residual Current Leakage current to Ground	I _{pe}	None
Follow current	I _f	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	160 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/PE and N/PE
Protection mode(s)		Common mode/Differential mode
Residual voltage @ In (8/20 μs)	Up-in	0.6 kV
Protection level L/PE @ In (8/20μs)	Up L/PE	1.25 kV
Admissible short-circuit current	I _{sc}	25 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
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)		DSM40VG-120
Remote signaling of disconnection		option DS44VGS-120 : 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 Recognized
Part number		
461652		