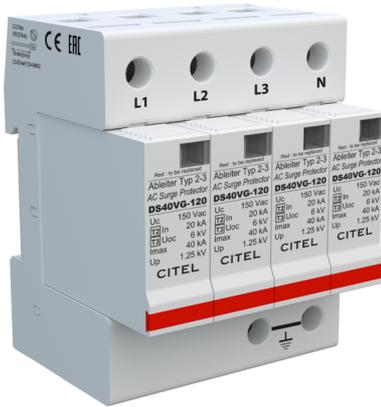
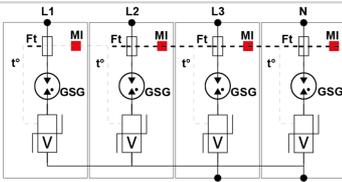


DS44VG-120



- Discover our latest innovation : the [DAC50VG-40-150](#)
- 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	IEC	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	I _n	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	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	
Residual voltage @ I _n (8/20 μs)	Up-in	0.6 kV	
Protection level L/PE @ I _n (8/20μs)	Up L/PE	1.25 kV	
Admissible short-circuit current	I _{scrr}	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	
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		UL Recognized	
Part number			
461652			