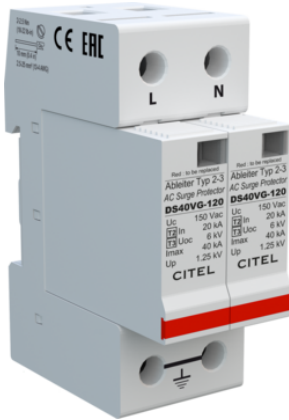
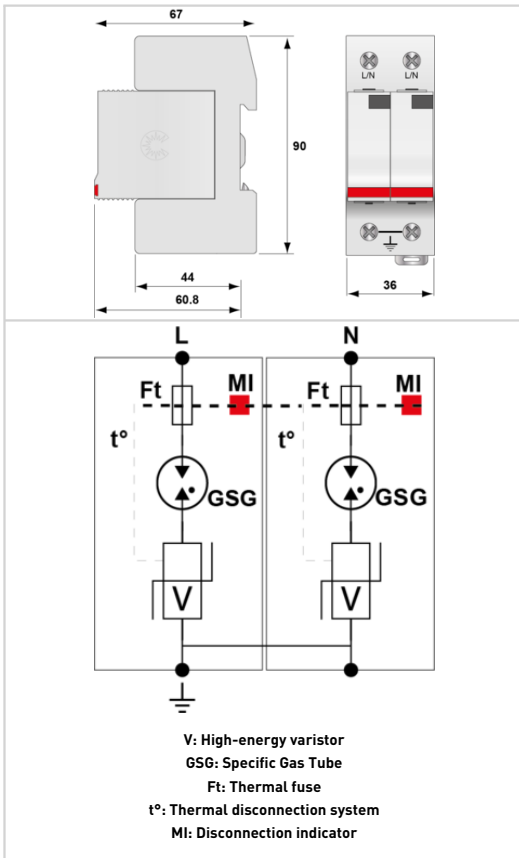


# DS42VG-120



- Type 2 + 3 AC Multipolar surge protector
- In : 20 kA
- I<sub>max</sub> total: 80 kA
- Pluggable module
- Follow and operating current : none
- No ageing
- Optional remote signaling state
- Optimized to TOV
- EN 61643-11, CEI 61643-11, UL1449 ed.4 compliance



Caractéristiques Électriques		
SPD type (following IEC tests)		2+3
Network		120 V single-phase
AC system		TN
Max. AC operating voltage L-N	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 <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Nominal discharge current (15 x 8/20 µs impulses)	I <sub>n</sub>	20 kA
Max. discharge current(max. withstand @ 8/20 µs by pole)	I <sub>max</sub>	40 kA
Total Maximal discharge current (max. total withstand @ 8/20 µs )	I <sub>max</sub> Total	80 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	U <sub>oc</sub>	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 <sub>n</sub> (8/20 µs))	U <sub>p-in</sub>	0.6 kV
Protection level L/PE (@ I <sub>n</sub> (8/20µs))	U <sub>p</sub> L/PE	1.25 kV
Admissible short-circuit current	I <sub>scrc</sub>	25000 A
Caractéristiques Mécaniques		
Technology		VG
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25 mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (DIN 60715)
Housing material		Thermoplastic UL94-V0
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40VG-120
Remote signaling of disconnection		option DS42VGS-120 : output on changeover contact
Dimensions		See diagram
Weight		0.18 kg
Déconnecteurs associés		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 50 A
Normes		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / EAC / TUV

DS42VG-120

Code article

461651

