



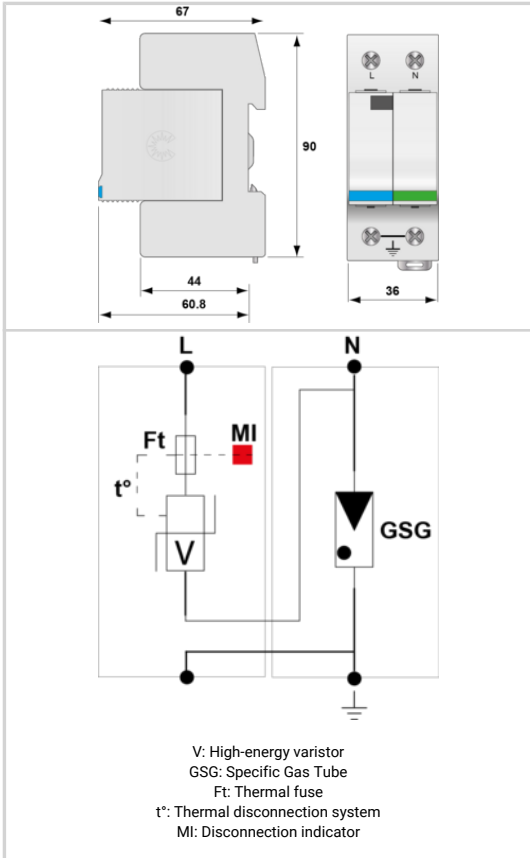
## Type 2 (or 3) AC surge protector - Single-phase

# CITEL

## DS12-120/G



- › Discover our latest innovation : the [DAC15C-11-150](#)
- › Type 2 (or 3) AC Multipolar surge protector
- › In : 5 kA
- › I<sub>max</sub> total: 20 kA
- › Pluggable module by phase
- › Remote signaling option
- › EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics		
SPD type		2 (or 3)
Network		120 V single-phase
AC system		TT-TN
Nominal line voltage	U <sub>n</sub>	120 Vac
Max. AC operating voltage	U <sub>c</sub>	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Residual Current	I <sub>pe</sub>	None
Leakage current to Ground		
Follow current	I <sub>f</sub>	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I <sub>n</sub>	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	10 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	20 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U <sub>oc</sub>	10 kV
Withstand on overvoltages IEEE C62.41.1		10 kV
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Protection level L/N <i>@ I<sub>n</sub> (8/20μs)</i>	U <sub>p</sub> L/N	0.6 kV
Protection level N/PE <i>@ I<sub>n</sub> (8/20μs)</i>	U <sub>p</sub> N/PE	1.5 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM10-120 + DSM40G-600
Remote signaling of disconnection		option DS12S-120/G : output on changeover contact
Dimensions		See diagram
Weight		0.174 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		20 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		
471611		

