



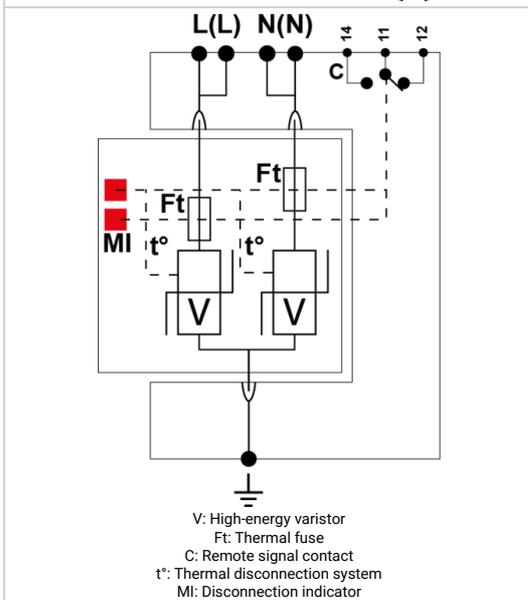
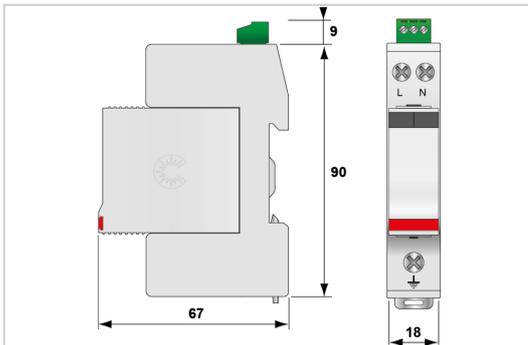
# CITEL

## Compact 1-phase Type 2 (or 3) surge protector - Pluggable

### DS240S-120



- ✦ Discover our latest innovation : the [DAC40CS-20-150](#)
- ✦ Compact single-phase Type 2 surge protector
- ✦ In: 20 kA
- ✦ I<sub>max</sub>: 40 kA
- ✦ Common mode
- ✦ Pluggable module
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 compliance
- ✦ UL1449 ed.5



Electrical Characteristics			
SPD type	IEC	2	
Network		120 V single-phase	
AC system		TN	
Nominal line voltage	U <sub>n</sub>	120 Vac	
Max. AC operating voltage	U <sub>c</sub>	150 Vac	
Max. load current if series connection	I <sub>L</sub>	20 A	
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	
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.5 mA	
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 Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	80 kA	
Connection mode(s)		L/PE and N/PE	
Protection mode(s)		Common mode	
Residual voltage at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub>	0.6 kV	
Protection level CM/DM @ I <sub>n</sub> (8/20μs)	U <sub>p mc/md</sub>	0.9 kV	
Admissible short-circuit current	I <sub>scrr</sub>	10 000 A	
Mechanical Characteristics			
Technology		MOV	
SPD configuration		Single phase	
Connection to Network		By screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (PE)	
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		2 mechanical indicators	
Spare module(s)		DSM240-120	
Remote signaling of disconnection		Output on changeover contact	
Dimensions		See diagram	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		Fuses type gG - 50 A	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		UL Recognized	
Part number			
311611			

