



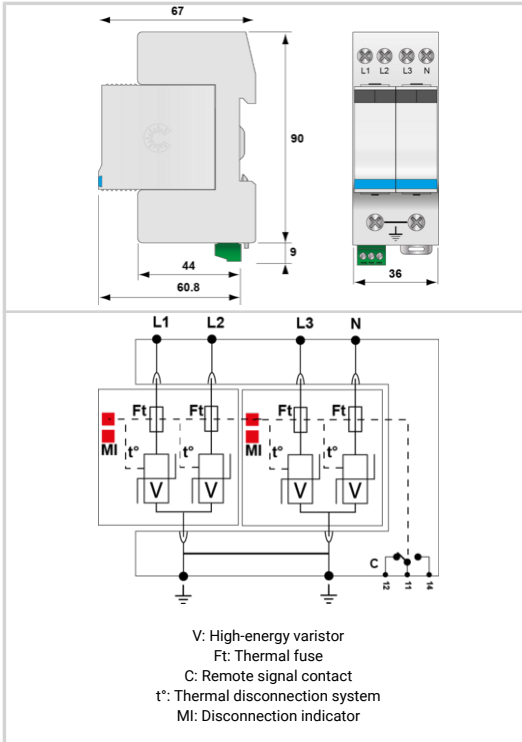
# Compact 3-phase+N Type 2 surge protector - 120 V - Pluggable

# CITEL

## DS415S-120



- Discover our latest innovation : the [DAC15CS-40-150](#)
- Compact 3-phase+N type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics	
SPD type	2 (or 3)
Network	120/208 V 3-phase
AC system	TN
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 disconnection
Residual Current Leakage current to Ground	Ipe < 0.5 mA
Follow current	If None
Nominal discharge current 15 x 8/20 μs impulses	In 5 kA
Max. discharge current max. withstand @ 8/20 μs by pole	Imax 15 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 10 kV
Withstand on overvoltages IEEE C62.41.1	10 kV
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common mode
Residual voltage at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.6 kV
Protection level CM/DM @ In (8/20μs)	Up mc /md 0.6 kV
Admissible short-circuit current	Iscrc 10 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	3-phase+Neutral
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	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	4 mechanical indicators
Spare module(s)	DSM415-120
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	20 A min. - 125 A max. - Fuses type gG
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
451612	

