



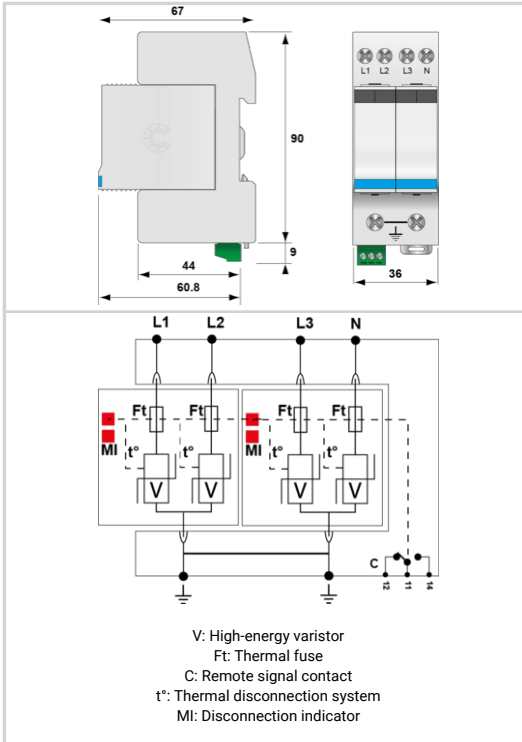
# Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable

# CITEL

## DS415S-400



- Discover our latest innovation : the [DAC15CS-40-440](#)
- 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	IEC	2 (or 3)
Network		230/400 V 3-phase
AC system		IT
Nominal line voltage	Un	400 Vac
Max. AC operating voltage	Uc	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 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	1.3 kV
Protection level CM/DM @ In (8/20μs)	Up mc /md	1.3 kV
Admissible short-circuit current	Iscrr	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)		DSM415-400
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		
451412		

