

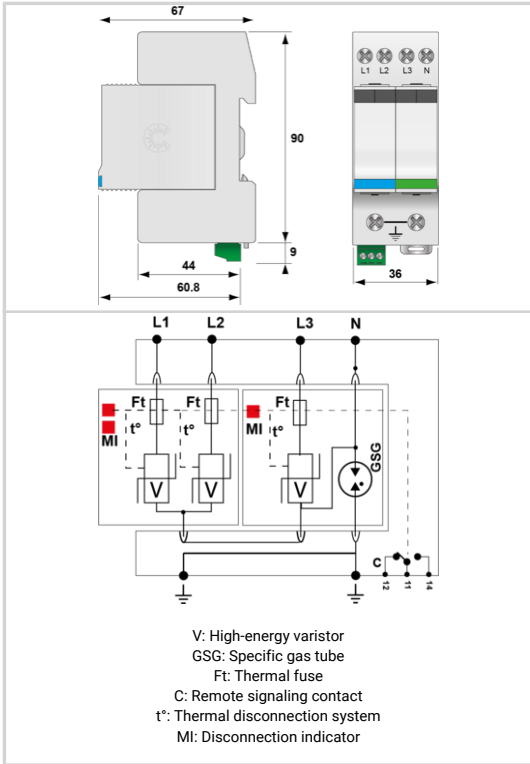


# Compact 3-phase+N Type 2 surge protector - 230/400 V - Pluggable

## CITEL DS415S-320/G



- ↳ Compact 3-phase+N type 2 (or 3) surge protector
- ↳ In : 5 kA
- ↳ I<sub>max</sub> : 15 kA
- ↳ Common/Differential mode
- ↳ Pluggable module
- ↳ Remote signaling
- ↳ EN 61643-11, CEI 61643-11, UL1449 ed.3 compliance



Electrical Characteristics		
SPD type		2 (or 3)
Network		230/400 V 3-phase
AC system		TT-TN
Nominal line voltage	U <sub>n</sub>	230 Vac
Max. AC operating voltage	U <sub>c</sub>	320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms 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>	5 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	15 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	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
Residual voltage at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub>	1.5/1 kV
Protection level CM/DM @ I <sub>n</sub> (8/20μs)	U <sub>p mc /md</sub>	1.5/1 kV
Admissible short-circuit current	I <sub>sc cr</sub>	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	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		3 mechanical indicators
Spare module(s)		DSM415-320/G + DSM415-320/GPE
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		
451932		

