

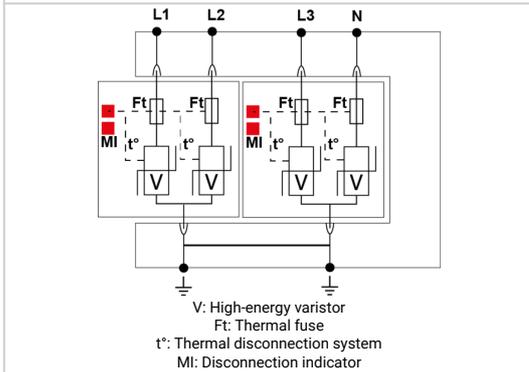
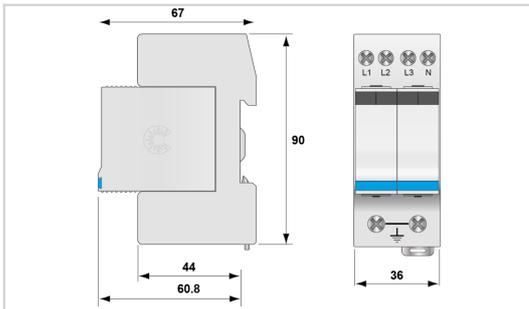


CITEL

DS415-400



- ✦ Discover our latest innovation : the [DAC15C-40-440](#)
- ✦ Compact 3-phase+N type 2 (or 3) surge protector
- ✦ In: 5 kA
- ✦ I<sub>max</sub>: 15 kA
- ✦ Common mode
- ✦ Pluggable module
- ✦ Remote signaling option
- ✦ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics			
SPD type	IEC	2+3	
Network	230/400 V 3-phase		
AC system	IT		
Nominal line voltage	U <sub>n</sub>	400 Vac	
Max. AC operating voltage	U <sub>c</sub>	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	I <sub>pe</sub>	< 0.5 mA	
Follow current	If	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 mode		
Residual voltage at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub>	1.3 kV	
Protection level CM/DM @ I <sub>n</sub> (8/20μs)	U <sub>p-mc/md</sub>	1.3 kV	
Admissible short-circuit current	I <sub>scrc</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	4 mechanical indicators		
Spare module(s)	DSM415-400		
Remote signaling of disconnection	Option DS415S-400 : 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 / 40 A (gL/gG)		
Standards			
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5		
Certification			
Part number			
451402			

