



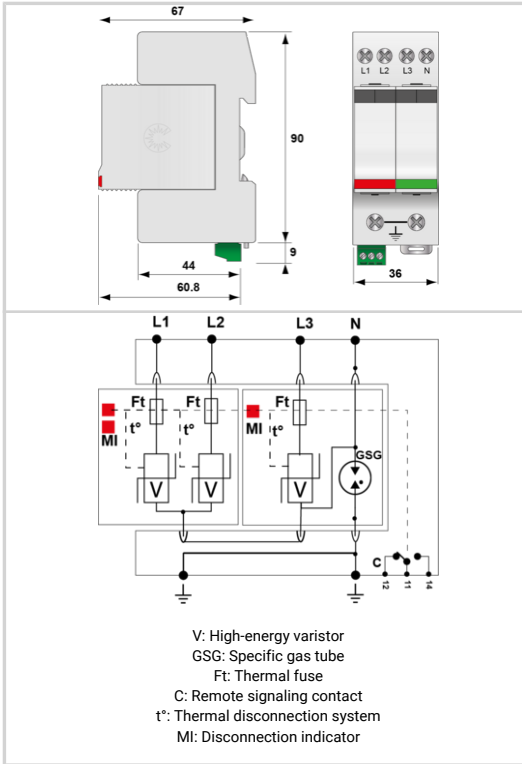
# Compact 3-phase+N Type 2 surge protector - 120 V - Pluggable

# CITEL

## DS440S-120/G



- Discover our latest innovation : the [DAC40CS-31-150](#)
- Compact 3-Phase Type 2 surge protector
- In : 20 kA
- Imax : 40 kA
- Common/Differential mode
- Pluggable module
- Remote Signaling contact
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	2	
Network	120/208 V 3-phase	
AC system	TT-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
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current	Ipe	None
Leakage current to Ground		
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	40 kA
Connection mode(s)	L/N and N/PE	
Protection mode(s)	Common/Differential mode	
Residual voltage at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5/0.6 kV
Protection level L/N @ In (8/20μs)	Up L/N	0.9 kV
Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV
Protection level CM/DM @ In (8/20μs)	Up mc /md	1.5/0.9 kV
Admissible short-circuit current	Iscsr	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	3 mechanical indicators	
Spare module(s)	DSM440-120/G and DSM440-120/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	50 A min. - 125 A max. - Fuses Type gG	
Standards		
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		
Part number		
311632		

