



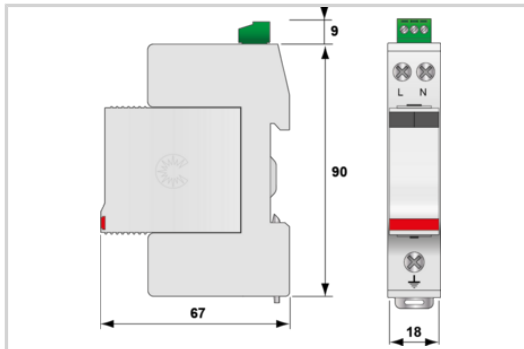
# Compact 1-phase Type 2 (or 3) surge protector - 120 V -Pluggable

# CITEL

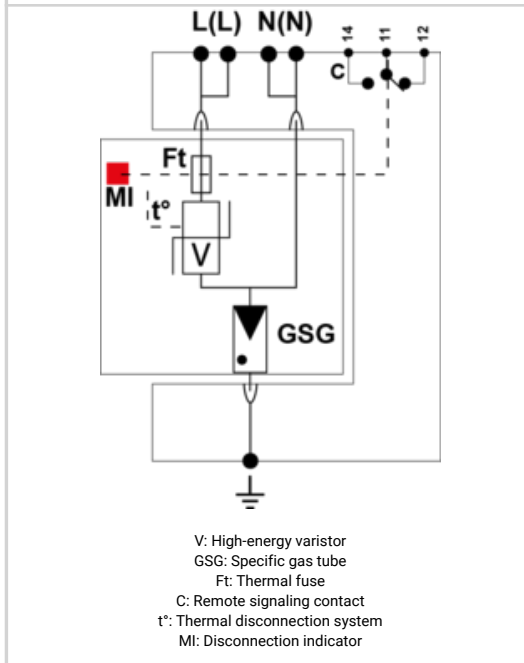
## DS240S-120/G



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



Electrical Characteristics	
SPD type	2
Network	120 V single-phase
AC system	TT-TN
Nominal line voltage	Un 120 Vac
Max. AC operating voltage	Uc 150 Vac
Max. load current <i>if series connection</i>	IL 20 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT 1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	Ipe None
Follow current	If None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In 20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	Imax Total 40 kA
Protection mode(s)	Common/Differential mode
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA 1.5/0.6 kV
Protection level CM/DM <i>@ In (8/20μs)</i>	Up mc /md 1.5/0.9 kV
Admissible short-circuit current	Iscrc 10 000 A



Mechanical Characteristics	
SPD configuration	Single phase
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	1 mechanical indicator
Spare module(s)	DSM240-120/G
Remote signaling of disconnection	Output on changeover contact

Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses type gG - 50 A

Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	CSA / UL

Part number	
311631	

