



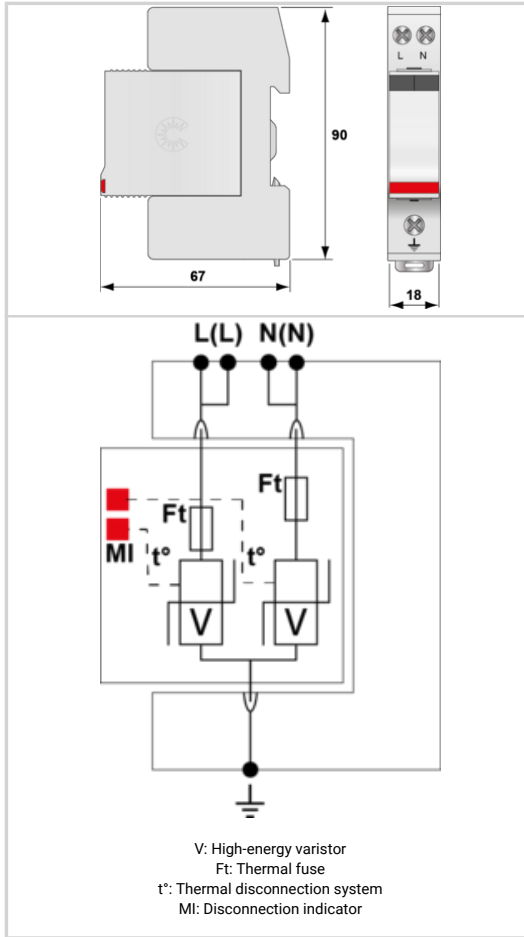
Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

CITEL

DS240-400



- ↳ Discover our latest innovation : the [DAC40C-20-440](#)
- ↳ Compact single-phase Type 2 surge protector
- ↳ In : 20 kA
- ↳ I_{max} : 40 kA
- ↳ Common mode
- ↳ Pluggable module
- ↳ Remote signaling option
- ↳ EN 61643-11, IEC 61643-11 compliance
- ↳ UL1449 ed.5



Electrical Characteristics	
SPD type	2
Network	230 V single-phase
AC system	IT
Nominal line voltage	U _n 400 Vac
Max. AC operating voltage	U _c 440 Vac
Max. load current if series connection	I _L 20 A
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 _{pe} < 0.5 mA
Follow current	I _f None
Nominal discharge current 15 x 8/20 μs impulses	I _n 20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total 80 kA
Protection mode(s)	Common mode
Residual voltage at 5 kA @ 5 kA (8/20 μs)	U _{p-5kA} 1.3 kV
Protection level CM/DM @ I _n (8/20 μs)	U _{p mc/md} 1.8 kV
Admissible short-circuit current	I _{scrc} 10 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single phase
Connection to Network	By screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE)
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T _u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	2 mechanical indicators
Spare module(s)	DSM240-400
Remote signaling of disconnection	Option DS240S-400 : output on changeover contact
Dimensions	See diagram
Weight	0.143 kg
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	CSA / UL
Part number	
311401	

