



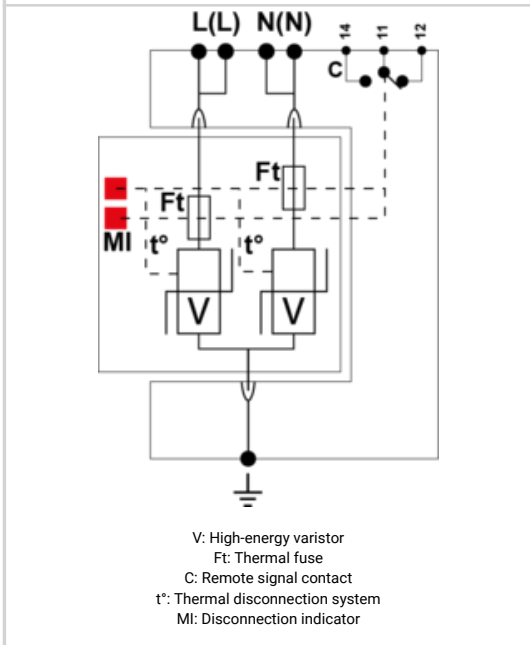
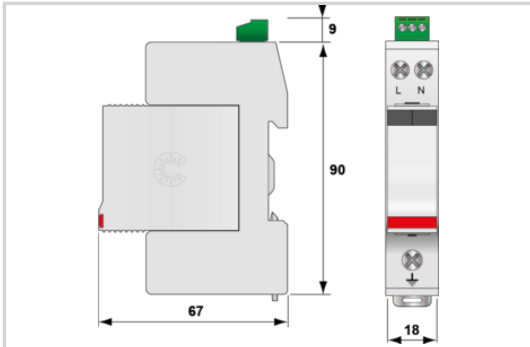
Compact 1-phase Type 2 (or 3) surge protector - Pluggable

CITEL

DS240S-400



- ↳ Discover our latest innovation : the [DAC40CS-20-440](#)
- ↳ Compact single-phase Type 2 surge protector
- ↳ In: 20 kA
- ↳ I_{max}: 40 kA
- ↳ Common mode
- ↳ Pluggable module
- ↳ Remote signaling
- ↳ EN 61643-11, IEC 61643-11 compliance
- ↳ UL1449 ed.5



Electrical Characteristics		
SPD type	IEC	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
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA @ 5 kA (8/20μs)	U _{p-5kA}	1.3 kV
Protection level CM/DM @ I _n (8/20μs)	U _{p mc} /md	1.8 kV
Admissible short-circuit current	I _{scrr}	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		Output on changeover contact
Dimensions		See diagram
Weight		0.145 kg
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		
311411		

