



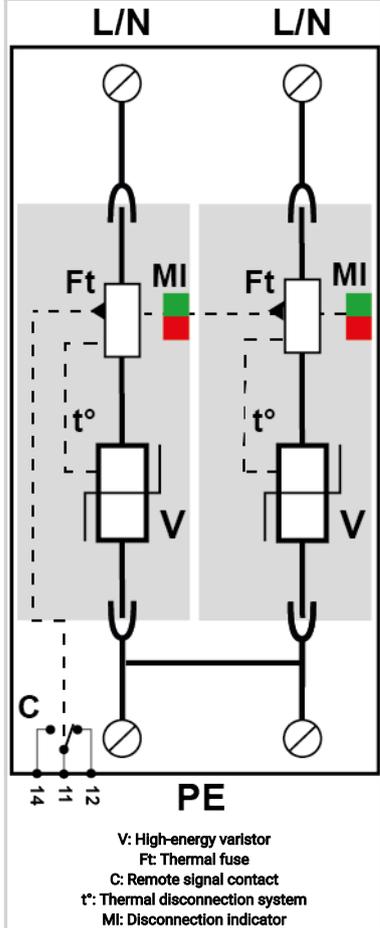
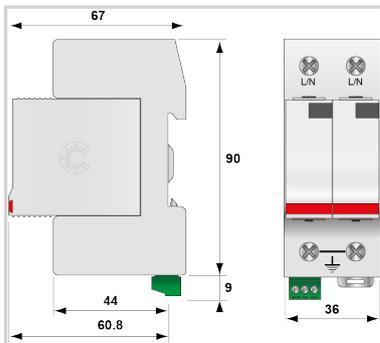
CITEL



Type 2 AC surge protector - Single-phase

DS42S-400

- ▶ Discover our latest innovation : the [DAC50S-20-440](#)
- ▶ Type 2 AC Multipolar surge protector
- ▶ In: 20 kA
- ▶ I_{max} total: 80 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11, UL1449 ed.5



Electrical Characteristics		
Network		230 V single-phase
AC system		TN/TT/IT
Nominal line voltage	U _n	400 Vac
Max. AC operating voltage	U _c	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 _{pe}	< 1 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	20 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA @ 5 kA (8/20 μs)	U _{p-5kA}	1.3 kV
Protection level N/PE @ I _n (8/20 μs)	U _{p N/PE}	1.8 kV
Protection level L/PE @ I _n (8/20 μs)	U _{p L/PE}	1.8 kV
Admissible short-circuit current	I _{sc cr}	25 000 A
Mechanical Characteristics		
IP degree		IP 20
SPD configuration		Single phase
Format		Plug-in modular box
Operating temperature	T _u	-40/+85°C
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40-400
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		
Certification		UL / CSA / TUV Süd
Part number		
461421		

