



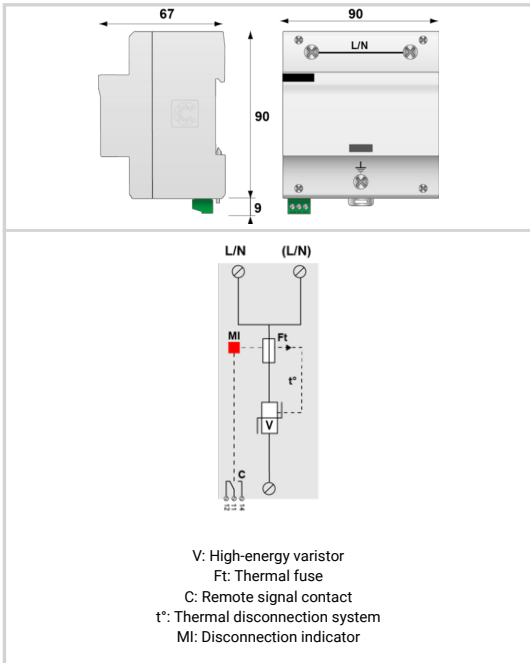
# Type 1+2 AC surge protector - 1-pole

# CITEL

## DS500E-230



- Type 1+2 unipolar AC surge protector
- Iimp : 50 kA on 10/350µs impulse
- Imax : 200 kA on 8/20µs impulse
- Internal disconnections, status indicator and remote signaling
- IEC 61643-11 and EN 61643-11



### Electrical Characteristics

SPD type		1+2
Network		230/400 V
Max. AC operating voltage	Uc	255 Vac
Max. load current if series connection	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 3 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	50 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	200 kA
Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub>	50 kA
Specific energy by pole max. withstand 10/350 µs	W/R	625 kJ/ohm
Connection mode(s)		L/N and L/PE
Protection level @ In (8/20µs)	Up	1.8 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.8 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A

### Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 6-35mm <sup>2</sup>
Format		1-pole 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
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.595 kg

### Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG - 500 A

### Standards

Standards compliance		IEC 61643-11 / EN 61643-11
Certification		

### Part number

500230
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