



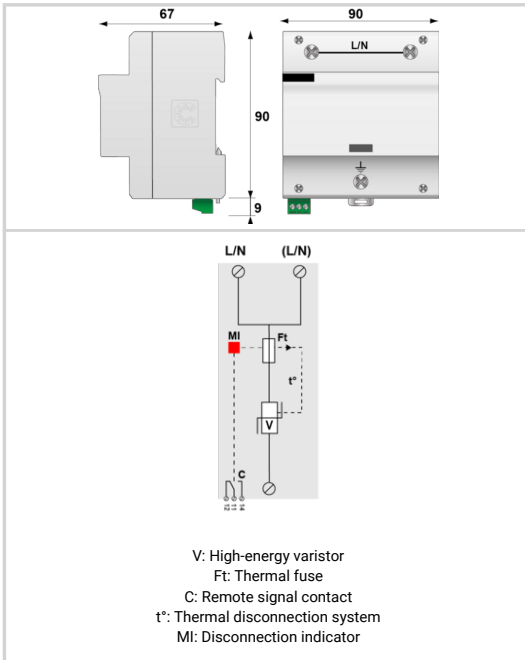
## Type 1+2 AC surge protector - 1-pole

# CITEL

## DS500E-400



- Type 1+2 unipolar AC surge protector
- Iimp : 50 kA on 10/350µs impulse
- I<sub>max</sub> : 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 440 Vac
Max. load current <i>if series connection</i>	IL 100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	I <sub>pe</sub> < 3 mA
Follow current	I <sub>f</sub> None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	I <sub>n</sub> 50 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I <sub>max</sub> 200 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	I <sub>imp</sub> 50 kA
Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R 625 kJ/ohm
Connection mode(s)	L/N and L/PE
Protection level <i>@ I<sub>n</sub> (8/20µs)</i>	U <sub>p</sub> 2.2 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	T <sub>u</sub> -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	0.719 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	
3964	

