



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

# CITEL

## DS250E-400



- ↳ Type 1 + 2 unipolar surge protector
- ↳ Iimp: 25 kA on 10/350µs impulse
- ↳ Imax: 140 kA on 8/20µs impulse
- ↳ Internal disconnections, status indicators
- ↳ Remote signaling
- ↳ IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



		<b>Electrical Characteristics</b>	
		SPD type	1+2
	<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	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>	Ipe < 3 mA
		Follow current	If None
		Nominal discharge current <i>15 x 8/20 µs impulses</i>	In 50 kA
		Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax 140 kA
		Impulse current by pole <i>max. withstand 10/350µs by pole</i>	Iimp 25 kA
		Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R 156 kJ/ohm
		Connection mode(s)	L/N or L/PE
		Protection mode(s)	Common Mode or Differential Mode
		Protection level <i>@ In (8/20µs)</i>	Up 2.5 kV
		Residual voltage at 5 kA <i>@ 5 kA (8/20µs)</i>	Up-5kA 1.5 kV
		Admissible short-circuit current	Iscrc 50 000 A
		<b>Mechanical Characteristics</b>	
		Technology	MOV
		SPD configuration	Single phase
		Connection to Network	By screw terminals: 6-35mm <sup>2</sup> / by bus
		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	3 mechanical indicators
		Remote signaling of disconnection	Output on changeover contact
		Dimensions	See diagram
		Weight	0.341 kg
		<b>Disconnectors</b>	
		Thermal disconnector	Internal
		Installation ground fault breaker	Type 'S' or delayed
		Back-up protection device	Fuses type gG - 315 A
		<b>Standards</b>	
		Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
		Certification	
		<b>Part number</b>	
		3731	

