



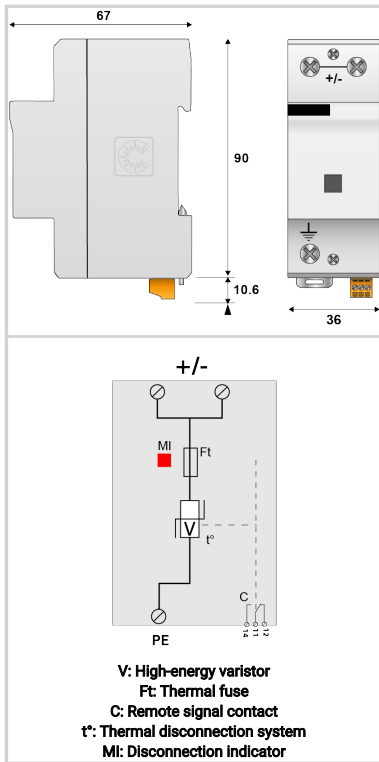
# CITEL

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

### DS250E-48DC



- › 2-poles surge protector 48 Vdc
- › Type 1 and Type 2 application
- › In 25 kA / I<sub>max</sub> 70 kA
- › Remote signaling
- › I<sub>imp</sub> 25 kA
- › IEC 61643-11 and EN 61643-11 compliance



Electrical Characteristics		
SPD type	IEC	1+2
Network		48 Vdc
Nominal line voltage	U <sub>n</sub>	48 Vdc
Nominal DC voltage	U <sub>n-dc</sub>	48 Vdc
Max. DC operating voltage	U <sub>c</sub>	75 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.2 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	25 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	70 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max Total</sub>	140 kA
Impulse current by pole max. withstand 10/350 μs by pole	I <sub>imp</sub>	25 kA
Specific energy by pole max. withstand 10/350 μs	W/R	156 kJ/ohm
Connection mode(s)		+/PE or -/PE
Protection mode(s)		Common mode
Protection level +/PE (-/PE) @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub>	500 V
Mechanical Characteristics		
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	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		3 mechanical indicators
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm <sup>2</sup> max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Fuses type gG - 315 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		
Part number		
<b>63909</b>		

