



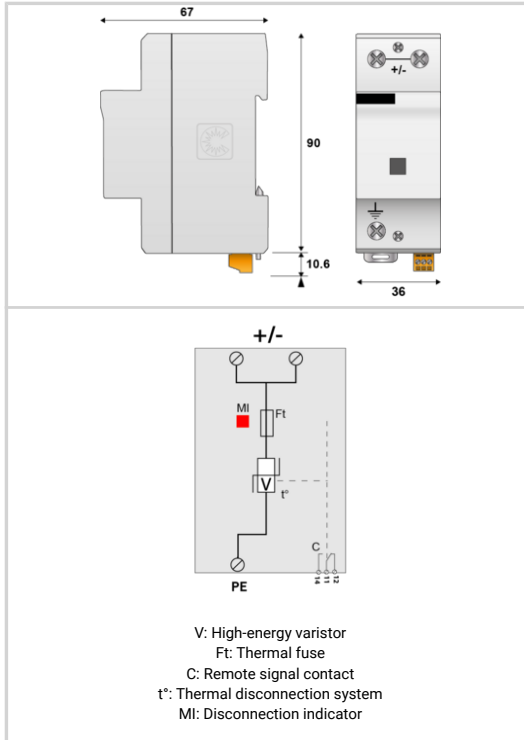
# Type 1+2 AC surge protector - 1-pole

# CITEL

## 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	1+2
Network	48 Vdc
Nominal line voltage	Un 48 Vdc
Nominal DC voltage	Un-dc 48 Vdc
Max. DC operating voltage	Uc 75 Vdc
Residual Current	I <sub>pe</sub> < 0.1 mA
Leakage current to Ground	
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</sub> Total 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	Tu -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
Weight	0.25 kg
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	
63909	

