



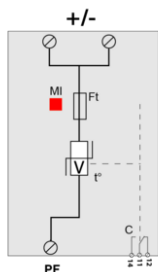
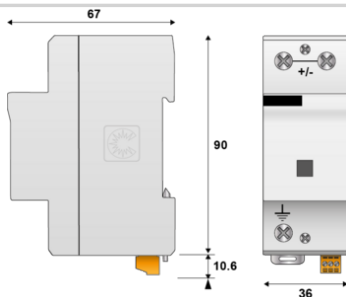
CITEL

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_{max} 70 kA
- ↳ Remote signaling
- ↳ I_{imp} 25 kA
- ↳ IEC 61643-11 and EN 61643-11 compliance



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	IEC	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>Leakage current to Ground</i>	I _{pe}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	25 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	70 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} Total	140 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I _{imp}	25 kA
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R	156 kJ/ohm
Connection mode(s)		+/-PE or -/PE
Protection mode(s)		Common mode
Protection level +/-PE (-/PE) <i>@ I_n (8/20 μs)</i>	Up	500 V

Mechanical Characteristics

Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 6-35mm ² / 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 ² 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

