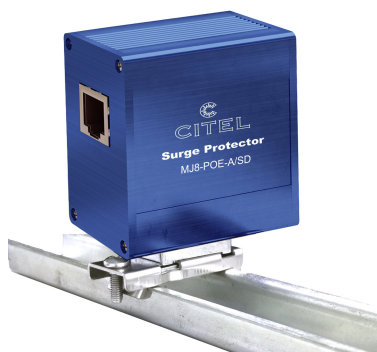




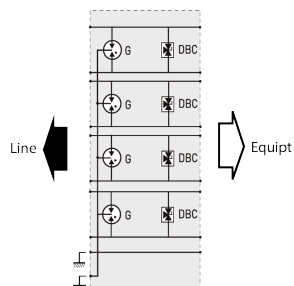
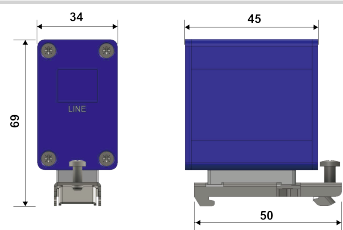
CITEL



RJ45 surge protector for POE++

MJ8-POE-A/SD

- ▶ POE++ compatible
- ▶ Strong mounting for DIN-rail for vibration environments
- ▶ Gigabit Ethernet (Cat.5E)
- ▶ Shielded enclosure and connectors
- ▶ 2 kA discharge capability
- ▶ IEC 61643-21, EN 61643-21 compliance



P: 3-electrode GDT
DBC: Low capacitance diode

Electrical Characteristics

Network		Gigabit Ethernet (Cat.5E)
Nominal line voltage	Un	48 Vdc
Max. DC operating voltage	Uc	60 Vdc
Max. frequency	f max.	250 MHz
Max. data rate		10/100/1000 Mbps
Insertion loss		< 1 dB
Max. load current @25°C	IL	2 A
Max. POE power (4PPOE)		90 W
Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	In L/PE	2000 A
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	70 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	70 V
Impulse current 2 x 10/350µs Test - D1 Category	Iimp	500 A
Line/Line Nominal discharge current C2 Category	In L/L	500 A

Mechanical Characteristics

Technology		GDT+TVS diode
SPD configuration		8 wires+shielded
Connection to Network		RJ45 shielded connectors Female input/output
Format		Metallic box with connectors input/output
Mounting		Mounting flange, Screw lug, DIN Rail
Accessory(s) provided		DIN rail adapter, screw, screw nut, earthing plate, countersunk screw, cable shoe
Housing material		Aluminium
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit - transmission cut-off
Disconnection indicator		Transmission interrupt - default mode 2
Pinout		(1-2)(3-6)(4-5)(7-8)
Dimensions		See diagram

Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / IEEE 802-3af/3at/3bt
Environmental standards		EU RoHS

Part number

581545

