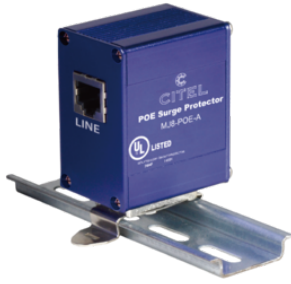




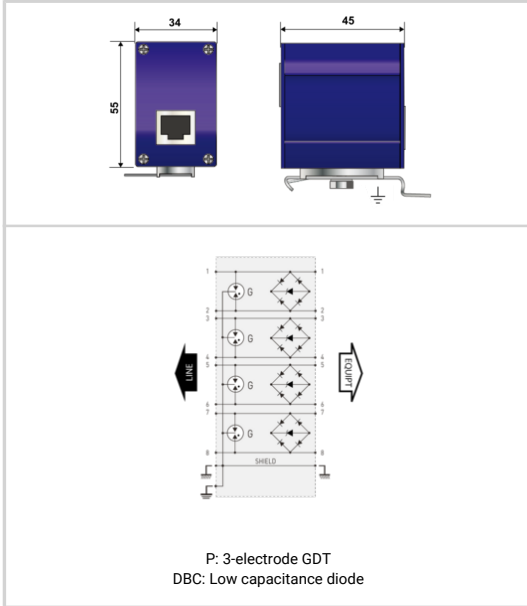
# Surge protector for POE ++ and Category 6A cabling network

# CITEL

## MJ8-POE-A



- POE++ compatible (IEEE 802.3bt)
- 10G compatible from 5m to 100m in the channel, using Cat-6A S/FTP cabling
- RJ45 Shielded connectors
- IEC 61643-21, EN 61643-21
- Indoor application: IP20 rating (NEMA 2)
- Plastic enclosure, UL94-V0
- Location and test categories: D1, C2, C3



Electrical Characteristics		
Network		Gigabit Ethernet (Cat.5E)
Protection modes (network)		CM/DM
Protection modes (POE)		CM (Common Mode)
Transmission standard		IEEE 802.3bt
Lightning Protection Zones (LPZ)		0 - 3
Max. DC operating voltage	Uc	8 Vdc
Max. operating voltage (POE)	Uc	60 Vdc
Max. frequency, in the channel	f max.	100 MHz
Max. data rate		10/100/1000 Mbps
Max. load current @25°C	IL	2 A
Max. POE power (4PPOE)		90 W
Max. discharge current max. withstand @ 8/20 µs, X-C (Line/Earth)	I <sub>max</sub>	2 kA
Protection Level C3 category (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	80 V
Protection level C3 category (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	700 V
Protection Level C3 Category (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE)	Up	700 V
Impulse current 2 x 10/350µs Test - D1 Category	I <sub>imp</sub>	500 A
Nominal discharge current C1 category (8/20µs), 300 applications X-X (Line/Line)	I <sub>n</sub>	100V / 50A
Nominal discharge current C2 category (8/20µs), 10 applications X-C (Line/Earth)	I <sub>n</sub>	4 kV / 2 kA
Line resistance (± 10%)		0 Ohm
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF
Mechanical Characteristics		
Technology		GDT+Clamping 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
Ingress Protection rating		IP20 (NEMA 2)
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
Weight		0.120 kg
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497 B IEEE 802-3af/3at/3bt
Certification		UL 497B
Part number		
581519		

