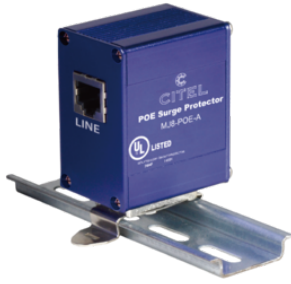




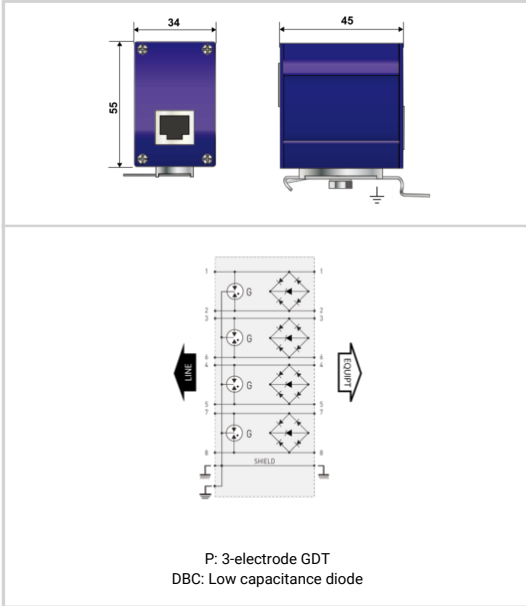
Surge protector for POE ++ and Category 6A cabling network

CITEL

MJ8-POE-A



- ▶ POE++ Compatible (IEEE 802.3bt)
- ▶ 1Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Indoor applications, IP20 (NEMA 2)
- ▶ Metallic enclosure
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1



Electrical Characteristics	
Network	1Gb/s on Cat5E S/FTP cabling
Protection modes (network)	CM / DM (common mode / differential mode)
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)	Imax 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	Iimp 500 A
Nominal discharge current C1 category (8/20µs), 300 applications X-X (Line/Line)	In 100V / 50A
Nominal discharge current C2 category (8/20µs), 10 applications X-C (Line/Earth)	In 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
Cable glands	N/A
Format	Metallic box with connectors input/output
Mounting	DIN rail / Wall / Plate
Accessory(s) provided	Screw, washer, cable shoe, earthing plate, DIN rail adapter
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	0.12 kg / 0.26 lbs
Standards	
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497 B IEEE 802-3af/3at/3bt
Certification	UL 497B
Part number	
581519	

