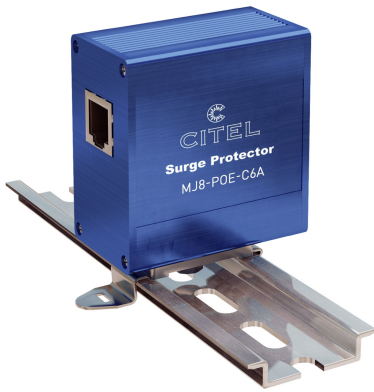




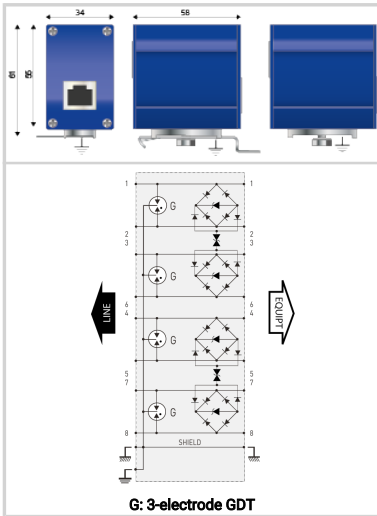
Indoor Cat. 6A 10Gb/s rated POE Surge Protective Device & Mounting Hardware Kit

CITEL

MJ8-POE-C6A



- ▶ POE++ compatible Surge Protector
- ▶ Cat. 6A compatible
- ▶ Shielded RJ45 connectors
- ▶ 16 kA total surge discharge capability
- ▶ Max Transmission up to 10Gbps
- ▶ Max Bandwidth up to 500 MHz
- ▶ UL497B



Electrical Characteristics	
Network	10Gb/s on Cat6A S/FTP cabling
Protection modes (network)	CM / DM
Protection modes (POE)	CM / DM (common mode / differential mode)
Transmission standard	IEEE 802.3bt
Lightning Protection Zones (LPZ)	0 - 3
Max. operating voltage (DATA)	Uc 8 Vdc
Max. operating voltage (POE)	Uc 60 Vdc
Max. frequency	f max. 500 MHz
Max. data rate	10 Gbps
Max. load current @25°C	IL 2 A
Max. POE power (4PPOE)	100 W
Nominal discharge current C1 (1.2/50us / 8/20us), 300 applications X-X (Line/Line)	In 1kV / 500A
Nominal discharge current C2 (1.2/50us / 8/20us), 10 applications X-C (Line/Earth)	In 4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)	Imax 2 kA
Max. discharge current max. withstand @ 8/20 μs, 8X-C (1&2+3&6+4&5+7&8 to Earth)	Imax Total 16 kA
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 500 V
Protection Level C3 (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up 80 V
Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth)	Iimp 400 A
Line resistance (± 10%)	~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C < 5 pF
Mechanical Characteristics	
Technology	GDT+TVS diode
Connection to Network	RJ45 shielded connectors Female input/output
Format	Metallic box with connectors input/output
Mounting	DIN rail / Wall / Plate
Accessory(s) provided	Screw, washer, cable shoe, earthing plate, DIN rail adapter
Operating temperature	Tu -40/+85°C
Ingress Protection rating	IP20 (NEMA 2)
Failsafe mode	Transmission cut-off - Fault mode 2 (short-circuit)
Pinout	(1-2)(3-6)(4-5)(7-8)
NETWORK CONFIGURATION	Single POE Line
CONNECTOR TYPE	Shielded RJ45
PIN OUT	[1-2][3-6][4-5][7-8]
DIMENSIONS	See diagram
Standards	
Certification	UL listed
Environmental standards	EU RoHS
UL STANDARD	UL497B
UL CATEGORY	QVGG
UL FILE NUMBER	E184939
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	581541

