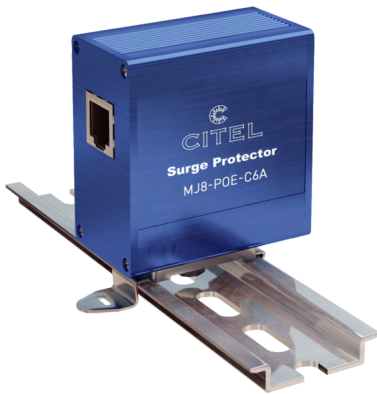




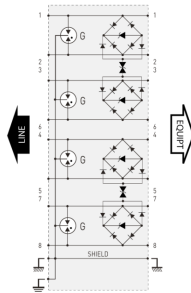
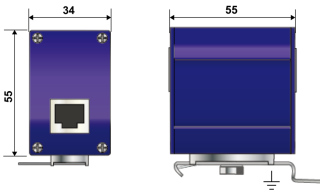
# CITEL

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

### MJ8-POE-C6A



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



G: 3-electrode GDT

#### Electrical Characteristics

Network		10Gb/s on Cat6A S/FTP cabling
Protection modes (network)		CM / DM (common mode / differential mode)
Protection modes (POE)		CM / DM (common mode / differential 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	f max.	500 MHz
Max. data rate		10 Gbps
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 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	70 V
Protection level C3 (10/1000μs), 300 applications@10 A, X-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)	limp	400 A
Nominal discharge current C1 (8/20μs), 300 applications X-X (Line/Line)	In	1kV / 500A
Nominal discharge current C2 (8/20μs), 10 applications X-C (Line/Earth)	In	4 kV / 2 kA
Line resistance (± 10%)		~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF
NOMINAL DC LINE VOLTAGE	Vdc	48
MAX. DC LINE VOLTAGE	Vdc	60
WIRES		8W+Shield+Ground
LINE CURRENT MAX	(A)	2
POWER RATING	(W)	100
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
PROTECTION LEVEL	(V)	70
IMAX 8/20μs	(kA)	16
MAX. DATA RATE	Gbps	10
MAX. FREQUENCY	Mhz	500

#### Mechanical Characteristics

Technology		GDT+TVS diode
Connection to Network		RJ45 shielded connectors Female input/output
Cable glands		N/A
Format		Metallic box with connectors input/output
Accessory(s) provided		Screw, washer, cable shoe, earthing plate, DIN rail adapter
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)
Weight		0.12 kg / 0.26 lbs
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		Single POE Line
CONNECTOR TYPE		Shielded RJ45
PIN OUT		[1-2][3-6][4-5][7-8]
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DIMENSIONS		See diagram

#### Standards

UL File Number		E184939
Certification		UL 497B
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939



CITEL

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

MJ8-POE-C6A

STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
<b>Part number</b>	
581541	

