

# Dataline Surge Protectors

## CMJ8-POE Series



- Outdoor Power Over Ethernet Surge Protective Device
- IP Rated Enclosures
- Hybrid GDT and Diode Technology
- Supports Up To 10 Gb/s Data Transmission Speeds
- Shielded Connectors
- High POE
- Bi-Directional Protection
- UL497B Listed

CXMJ8-POE-X-XXX

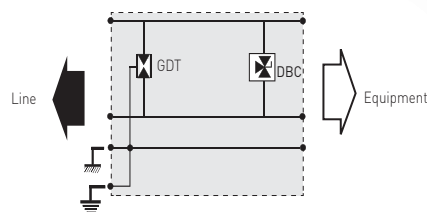
Max. Speed: C5 = 100 MB/s, C5E = 1 GB/s, C6 = 10GB/s  
POE Type: A, B

Enclosure Type: < > = Plastic, G = Plastic With Gasket  
R = Metal with Gasket

### Enclosure Characteristics

Enclosure	CMJ8	CGMJ8	CRMJ8
Dimensions	4.5 x 3.5 x 2.5 in	4.5 x 3.5 x 2.5 in	5.9 x 4.3 x 3.9
Gasket	None	Yes	Yes
Mounting	Attached pole mount brackets for surface or pole mounting		
Protection Class	IP65	IP66	IP67
Connections:			
- Input	RJ45 Shielded		
- Output	RJ45 Shielded		
Pinout	8 wires + shielding		
Enclosure	IP Rated Plastic		
Connection to Bonding Network	Round Screw Terminal		
Standard Compliance	UL497B, IEEE 802-3t, IEC 61000-4-5		

### Electrical Diagram Principle



GDT : 3-Electrode gas discharge tube  
DBC : 3-Pole low capacitance diode

### Performance Characteristics

Board Type	POE-A-C5	POE-B-C5	POE-A-C5E	POE-B-C5E	POE-C6
Maximum Data Rate	100 Mbp/s CAT5	100 Mbp/s CAT5	1 Gb/s CAT5E	1 Gb/s CAT5E	10 Gb/s CAT6
Max Voltage on Pins (1-2) (3-6) (4-5) (7-8) (POE & Data)	60V	7.5V 60V	60V	7.5V 60V	60V
Max Current (1-2) (3-6) (4-5) (7-8) High POE	1.2A NA	NA 1.2A	1.2A NA	NA 1.2A	1.2A NA
Nominal Discharge Currents (at 8/20 $\mu$ s)					
- Line/Lines	500A	500A	500A	500A	500A
- Line/Ground (Per Line)	2,000A	2,000A	2,000A	2,000A	2,000A
- Lines/Ground (Total)	16,000A	16,000A	16,000A	16,000A	16,000A
Clamping Voltage (1-2) (3-6) (4-5) (7-8) Between Lines	70V	10V 70V	70V	10V 70V	10V 70V
DC Sparkover Voltage Between Lines and Ground	71-108V	71-108V	71-108V	71-108V	71-108V

### Part Numbers

CITEL Part Name	Part Number
CMJ8-POE-A-C5	6211
CMJ8-POE-B-C5	6212
CGMJ8-POE-A-C5	892000
CGMJ8-POE-B-C5	892001
CMJ8-POE-A-C5E	892002
CMJ8-POE-B-C5E	892003
CGMJ8-POE-A-C5E	892004
CGMJ8-POE-B-C5E	892005
CRMJ8-POE-C6	581529