

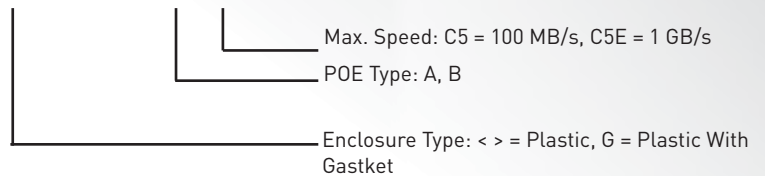
# Dataline Surge Protectors

## CMJ8-POE Series



- **Outdoor Power Over Ethernet Surge Protective Device**
- **IP Rated Enclosures**
- **Hybrid GDT and Diode Technology**
- **Supports Up To 1 Gb/s Data Transmission Speeds**
- **Shielded Connectors**
- **High POE**
- **Bi-Directional Protection**
- **UL497B Listed**

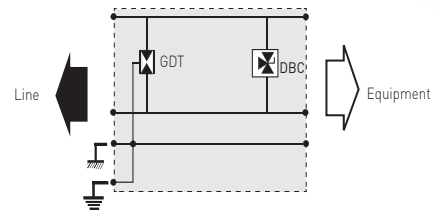
CXMJ8-POE-X-XXX



### Enclosure Characteristics

Enclosure	CMJ8	CGMJ8
Dimensions	4,5 x 3,5 x 2,5 in	4,5 x 3,5 x 2,5 in
Gasket	None	Yes
Mounting	Attached pole mount brackets for surface or pole mounting	
Protection Class	IP65	IP66
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
Maximum Data Rate	100 Mbp/s CAT5	100 Mbp/s CAT5	1 Gb/s CAT5E	1 Gb/s CAT5E
Max Voltage on Pins (POE & Data)	(1-2) (3-6) 60V (4-5) (7-8)	7.5V 60V	60V	7.5V 60V
Max Current High POE	(1-2) (3-6) 1.2A (4-5) (7-8) NA	NA 1.2A	1.2A NA	NA 1.2A
Nominal Discharge Currents (at 8/20 μs)				
- Line/Lines	500A	500A	500A	500A
- Line/Ground (Per Line)	2,000A	2,000A	2,000A	2,000A
- Lines/Ground (Total)	16,000A	16,000A	16,000A	16,000A
Clamping Voltage Between Lines	(1-2) (3-6) 70V (4-5) (7-8)	10V 70V	70V	10V 70V
DC Sparkover Voltage Between Lines and Ground	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