

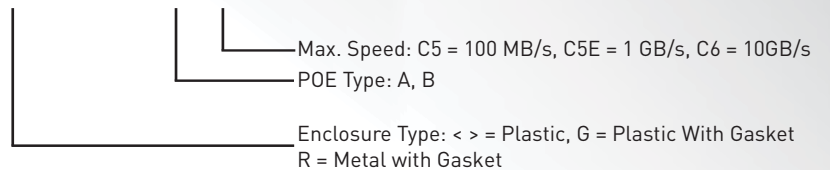
Dataline Surge Protectors

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**

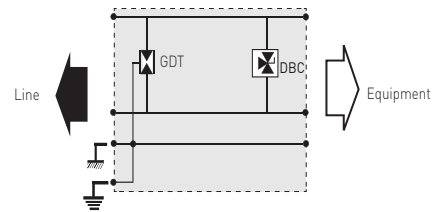
CXMJ8-POE-X-XXX



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 (POE & Data)	(1-2) (3-6) 60V (4-5) (7-8)	7.5V 60V	60V	7.5V 60V	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	1.2A NA
Nominal Discharge Currents (at 8/20 μs)	- Line/Lines: 500A - Line/Ground (Per Line): 2,000A - Lines/Ground (Total): 16,000A				
Clamping Voltage Between Lines	(1-2) (3-6) 70V (4-5) (7-8)	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