

Dataline Surge Protectors

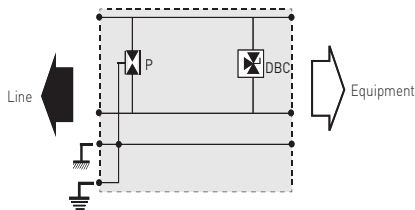
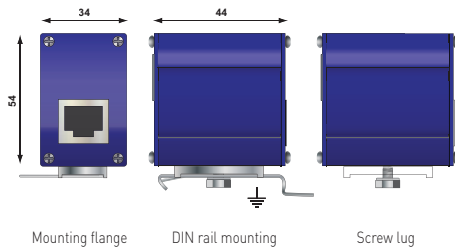
MJ8-POE Series



- **Power Over Ethernet Surge Protector**
- **Hybrid GDT and Diode Technology**
- **10/100/1000 Mbps Compatible**
- **Bi-Directional Protection**
- **Shielded Enclosure and Connectors**
- **DIN Rail Screw Lug and Flange Mounting**
- **UL497B Listed**

Dimensions and Electrical Diagram

(in mm)



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

Characteristics

CITEL Part Number	MJ8-POE-A	MJ8-POE-B
Description	RJ45 connection for PoE-A	RJ45 connection for PoE-B
Application	POE-A and Gigabit Ethernet, High PoE	POE-B and Gigabit Ethernet, High PoE
Max. Data Rate	1000Mbps	1000Mbps
Configuration	8 Wires + Shielding	8 Wires + Shielding
Pinout by pair	(1-2) (3-6) (4-5) (7-8)	(1-2) (3-6) (4-5) (7-8)
Line Voltage	Un 48Vdc	5Vdc/48Vdc
Max. DC Power Supply	Uc 60Vdc	7.5Vdc (1,2,3,6) 60Vdc (4,5,7,8)
Max. DC Current	IL 1200mA	1200mA
Frequency	f > 100Mhz	> 100Mhz
Insertion Loss	< 1dB	< 1dB
Lines-Grd Surge Current (8/20)	In 2000A	2000A
Line-Line Surge Current (8/20)	In 500A	500A
Lines-Grd Surge Current (8/20) Itotal	16,000A	16,000A
Max. Discharge Current (10/350) Iimp	500A	500A
L-L Clamping Voltage	20V	20V
L-G Spark Overvoltage	90V	90V
End of Life	Short-circuit	Short-circuit
Operating Temperature	-40-degrees C to +85-degrees C	
Relative Humidity	95% Non-Condensing	

Mechanical Characteristics

Dimensions See Diagram