

Dataline Surge Protectors

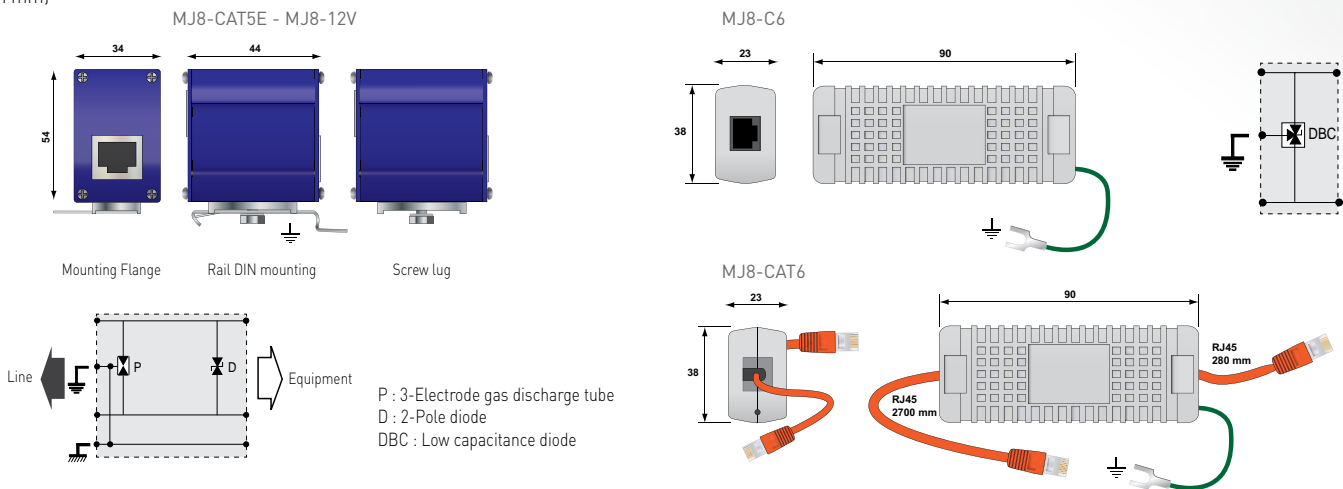
MJ8 Series



- **Cat.5, 5E, and Cat.6 Surge Protector**
- **Hybrid GDT and Diode Technology**
- **10/100/1000 Mbps Compatible**
- **Bi-Directional Protection**
- **Shielded Connector Configurations**
- **DIN Rail, Screw Lug, and Flange Mounting**
- **UL497B Listed**

Dimensions and Electrical Diagrams

(in mm)



Characteristics

CITEL Part Number	MJ8-CAT5E	MJ8-CAT6	MJ8-C6	MJ8-12V
Application	Ethernet Cat.5 or Cat.5E	Ethernet Cat.6	Ethernet Cat.6	12 V signal
Maximum Data Rate	1000Mbps	1000Mbps	1000Mbps	30Mbps
Maximum DC Signal	8Vdc 1A	7.5Vdc 1A	7.5Vdc 1A	18Vdc 1A
Pin Outs	[1-2] [3-6] [4-5] [7-8]	[1-2] [3-6] [4-5] [7-8]	[1-2] [3-6] [4-5] [7-8]	[3-6] [4-5]
Nominal Discharge Currents:				
- Line/Line	<500A at 8/20 μs	< 132A at 10/1000 μs	<100A at 8/20 μs	< 500A
- Line/Ground (per line)	2000A at 8/20 μs	132A at 10/1000 μs	100A at 8/20 μs	2000A
Mechanical Characteristics				
Connections:				
- Input	Shielded RJ45 Connectors	RJ45 Connectors	RJ45 Connectors	Shielded RJ45 connectors
- Output	Shielded RJ45 Connectors	RJ45 Connectors	RJ45 Connectors	Shielded RJ45 connectors
Pin Out	4 pairs + shielding + ground	4 pairs + ground	4 pairs + ground	2 pairs
Enclosure	Metal	Plastic	Plastic	Metal
Ground Connection	Screw Lug, Din Rail Clip or Mounting Flange	Ground wire	Ground wire	Screw Lug, Din rail clip or mounting flange
Standard Compliance	IEEE 802-3af and 3av (transmission) - IEC 61643-21 (surge withstand) UL497B			
Part Number				
	560201	6149	6184	560205

