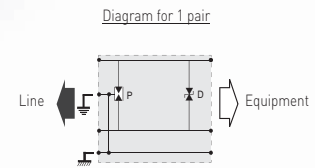
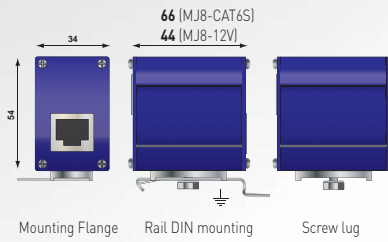


Data Surge Protectors

MJ8 series



P : 3-electrode gas tube
D : 2-pole diode
DBC : Low capacitance diode

- **100M/1G/ 10Gigabit Ethernet compatible**
- **RJ45 connectors**
- **Bi-directional**
- **Mounted on frame or DIN rail**
- **IEC 61643-21 and UL497A compliance**

Characteristics

CITEL Model	MJ8-CAT6S	MJ8-12V
Description	RJ45 surge protector for CAT6 network	RJ45 surge protector for 12V network
Network	10Gigabit Ethernet câblage Cat.6	PSTN/ADSL
Max. data rate	10 Gbps	30 Mbps
SPD configuration	4 pairs + shielded	2 pairs
Pin outs	(1-2) (3-6) (4-5) (7-8)	(3-6) (4-5)
Nominal line voltage	Un 5 Vdc	12 V
Max. DC operating voltage	Uc 8 Vdc	18 Vdc
Max. Load current	IL 1000 mA	1000 mA
Max. frequency	f max > 250 MHz	> 100 MHz
Insertion loss	< 1 dB	< 1 dB
Line/Ground Nominal discharge current <i>8/20µs Test x 10 - category C2</i>	In 2000 A	2000 A
Nominal discharge current Line/Line <i>8/20µs Test x 10 - category C2</i>	In 500 A	500 A
Impulse current - <i>2 x 10/350µs Test - D1 Category</i>	limp 500 A	500 A
Protection level	Up 20 V	30 V
Failsafe behavior	Short-circuit	Short-circuit
Mechanical characteristics		
Dimensions	see diagram	
Format	RJ45 connector	
Connection to Network	RJ45 shielded connector female input/output	
Disconnection indicator	transmission interrupt	
Mounting	Mounting flange, Screw lug, DIN Rail	
Operating temperature	-40/+85°C	
Protection rating	IP20	
Housing material	Aluminium	
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A (surge) IEEE 802-3an (transmission)	IEC 61643-21 / EN 61643-21 / UL497A
Part number	560303	560205