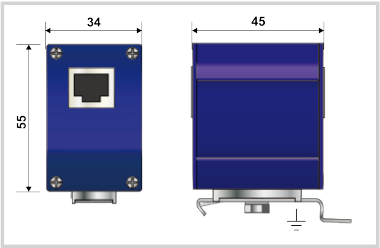
MJ8-CAT5E



- Cat.5,5E Surge Protector
- Hybrid GDT and Diode Technology
- Bi-Directional Protection
- Shielded Connector Configurations
- DIN Rail, Screw Lug, and Flange Mounting
- UL497B Listed



Electrical Characteristics		
Network		Gigabit Ethernet (Cat.5E)
Nominal line voltage	Un	5 Vdc
Max. DC operating voltage	Uc	8 Vdc
Max. frequency	f max.	250 MHz
Max. data rate		10/100/1000 Mbps
Insertion loss		< 1 dB
Max. load current @25°C	IL	2 A
Nominal Discharge Current, X-C (Line/Earth) *8/20µs Test x 10 - C2 Category*	In L/PE	2000 A
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)*	Up	20 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	20 V
Impulse current *2 x 10/350µs Test - D1 Category*	Iimp	500 A
Capacity *Maximum*	pF	<25
IMAX *8/20µs*	(kA)	16
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		RJ45 shielded connectors Female input/output
Format		Connector RJ45
Mounting		Mounting flange,Screw lug, DIN Rail
Accessory(s) provided		DIN rail adapter, screw, screw nut, earthing plate, countersunk screw, cable shoe
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit
Pinout		(1-2)(3-6)(4-5)(7-8)
CONNECTOR TYPE		Shielded RJ45
PIN OUT		[1-2][3-6][4-5][7-8]
DIMENSIONS		See diagram
Standards		
Certification		UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-21, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
560201		