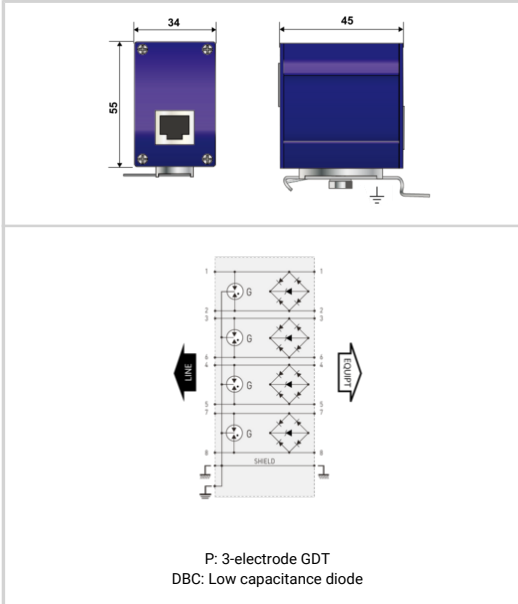


MJ8-POE-A



- ▶ POE++ Mode A compatible Surge Protector
- ▶ Cat. 5e compatible
- ▶ Shielded RJ45 connectors
- ▶ 16 kA maximum surge discharge capability
- ▶ Max Transmission up to 1Gbps
- ▶ Max Bandwidth up to 100 MHz
- ▶ UL497B



Electrical Characteristics		
Network		1Gb/s on Cat5E S/FTP cabling
Protection modes (network)		CM / DM (common mode / differential mode)
Protection modes (POE)		CM (Common Mode)
Transmission standard		IEEE 802.3bt
Lightning Protection Zones (LPZ)		0 - 3
Max. DC operating voltage	Uc	60 Vdc
Max. operating voltage (POE)	Uc	60 Vdc
Max. frequency, in the channel	f max.	100 MHz
Max. data rate		1 Gbps
Max. load current @25°C	IL	2 A
Max. POE power (4PPOE)		90 W
Max. discharge current <i>max. withstand @ 8/20 μs, X-C (Line/Earth)</i>	I _{max}	2 kA
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</i>	Up	80 V
Protection level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	700 V
Protection Level <i>C3 (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)</i>	Up	700 V
Impulse current <i>D1 (10/350μs), 2 applications, 8X-C (1&2+3&6+4&5+7&8 - Earth)</i>	I _{imp} Total	500 A
Nominal discharge current <i>C1 (8/20μs), 300 applications X-X (Line/Line)</i>	I _n	100V / 50A
Nominal discharge current <i>C2 (8/20μs), 10 applications X-C (Line/Earth)</i>	I _n	4 kV / 2 kA
Line resistance (± 10%)		~ 0 ohms
Capacitance <i>@1MHz, X-C (Line/Earth)</i>	C	< 5 pF
NOMINAL DC LINE VOLTAGE	V _{dc}	48
MAX. DC LINE VOLTAGE	V _{dc}	60
WIRES		8W+Shield+Ground
LINE CURRENT MAX	(A)	1.6
POWER RATING	(W)	100
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
PROTECTION LEVEL	(V)	70
IMAX <i>8/20μs</i>	(kA)	16
MAX. DATA RATE	Gbps	1
MAX. FREQUENCY	Mhz	100
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		RJ45 shielded connectors Female input/output
Cable glands		N/A
Format		Metallic box with connectors input/output
Accessory(s) provided		Screw, washer, cable shoe, earthing plate, DIN rail adapter
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)
Weight		0.12 kg / 0.26 lbs
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		Single POE Line
CONNECTOR TYPE		Shielded RJ45
PIN OUT		[1-2][3-6][4-5][7-8]
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DIMENSIONS		See diagram
Standards		
UL File Number		E184939
Certification		UL 497B
UL STANDARD		UL497B
UL CATEGORY		QVGQ



Indoor Cat. 6A 10Gb/s rated POE Surge Protective Device & Mounting Hardware Kit

MJ8-POE-A

UL FILE NUMBER	E184939
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
581519	

