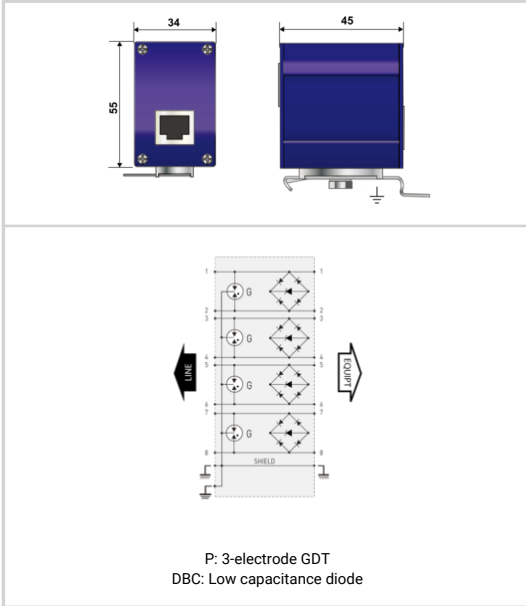


MJ8-POE-A



- 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		
Protection modes (network)		CM/DM
Protection modes (POE)		CM (Common Mode)
Max. DC operating voltage	Uc	8 Vdc
Max. operating voltage (POE)	Uc	60 Vdc
Max. frequency, in the channel	f max.	100 MHz
Max. load current @25°C	IL	2 A
Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)	I _{max}	2 kA
Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	80 V
Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	700 V
Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up	700 V
Impulse current 2 x 10/350μs Test - D1 Category	I _{imp}	500 A
Nominal discharge current C1 category (8/20μs), 300 applications X-X (Line/Line)	I _n	100V / 50A
Line resistance (± 10%)		0 Ohm
Capacitance @1MHz, X-C (Line/Earth)	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 8/20μs	(kA)	16
MAX. DATA RATE	Gbps	1
MAX. FREQUENCY	Mhz	100
Mechanical Characteristics		
Connection to Network		RJ45 shielded connectors Female input/output
Weight		0.120 kg
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		
Certification		UL 497B
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
581519		

