



CITEL

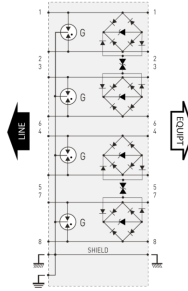
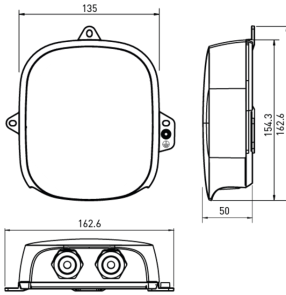


Outdoor Category 6 POE Surge Protective Device

CWMJ8-POE-C6A

POE++ and 10Gbps Ethernet

- Outdoor application
- Shielded RJ45
- I_{max} 16kA 8/20us
- UL497B



G: 3-electrode GDT
 DBC: 3-pole Low capacitance diode

Electrical Characteristics		
Network		10Gb/s on Cat6A S/FTP cabling
Protection modes (network)		CM / DM (common mode / differential mode)
Protection modes (POE)		CM / DM (common mode / differential mode)
Transmission standard		IEEE 802.3bt
Lightning Protection Zones (LPZ)		0 - 3
Max. DC operating voltage	U _c	8 Vdc
Max. operating voltage (POE)	U _c	60 Vdc
Max. frequency	f max.	500 MHz
Max. data rate		10 Gbps
Max. load current @25°C	I _L	2 A
Max. POE power (4PPOE)		90 W
Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)	I _{max}	2 kA
Max. discharge current max. withstand @ 8/20 μs, 8X-C (1&2+3&6+4&5+7&8 to Earth)	I _{max} Total	16 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	U _p	< 20 V
Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	U _p	< 70 V
Protection Level C3 (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	U _p	< 100 V
Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth)	I _{imp}	500 A
Nominal discharge current C1 (8/20μs), 300 applications X-X (Line/Line)	I _n	1kV / 500A
Nominal discharge current C1 (1.2/50us / 8/20μs), 300 applications, X-C (Pair-Pair, POE)	I _n	200 V / 100 A
Nominal discharge current C2 (8/20μs), 10 applications X-C (Line/Earth)	I _n	4 kV / 2 kA
Line resistance (± 10%)		~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	48
AC/DC/DC PV/RF		DC
WIRES		8W+Shield+Ground
LINE CURRENT MAX	(A)	1.2
POWER RATING	(W)	100
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+85
MODES		DC+DC-,DC+G,DC-G,SH-G
RESIDUAL VOLTAGE	(V)	70
MCOV	(V)	60/72/72
IMAX 8/20μs	(kA)	16
DATA SPEED	(Mbps)	10/100/1000/10000
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		RJ45 shielded connectors Female input/output
Cable glands		Plastic/Rubber
Format		Plastic Enclosure with connectors input/output
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)
Pinout		(1-2)(3-6)(4-5)(7-8)
Weight		0.29 kg / 0.64 lbs
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		Single POE Line
CONNECTION METHOD		Shielded RJ45
MOUNTING		FLANGE MOUNT/POLE MOUNT KIT
MATERIAL		Polycarbonate
FLAMMABILITY RATING		UL94-V0
NEMA RATING (IP RATING)		6 (IP66)
DIMENSIONS		See diagram
Standards		
UL File Number		E184939
Certification		UL 497B



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UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
581544	

