



CITEL



Outdoor Category 6 POE Surge Protective Device

CRMJ8-POE-C6/KF

POE++ compatible

- ▶ Shielded enclosure and connectors
- ▶ 16 kA maximum surge discharge capability
- ▶ Up to 10Gbps
- ▶ UL497B



Kits for wall and pole mounting

2 x RJ45 connectors

G: 3-electrode gas tube

NEXT

Electrical Characteristics	
Network	10Gb/s on Cat6A S/FTP cabling
Protection modes (network)	CM / DM
Protection modes (POE)	CM / DM (common mode / differential mode)
Transmission standard	IEEE 802.3bt
Lightning Protection Zones (LPZ)	0 - 3
Max. DC operating voltage	Uc 8 Vdc
Max. operating voltage (POE)	Uc 60 Vdc
Max. frequency	f max. 500 MHz
Max. data rate	10 Gbps
Max. load current @25°C	IL 2 A
Max. POE power (4PPOE)	90 W
Nominal discharge current C1 (1.2/50µs / 8/20µs), 300 applications X-X (Line/Line)	In 1kV / 500A
Nominal discharge current C1 (1.2/50µs / 8/20µs), 300 applications, X-C (Pair-Pair, POE)	In 200 V / 100 A
Nominal discharge current C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth)	In 4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 µs, X-C (Line/Earth)	Imax 2 kA
Max. discharge current max. withstand @ 8/20 µs, 8X-C (1&2+3&4&5+7&8 to Earth)	Imax Total 16 kA
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 < 700 V
Protection Level C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE)	Up < 70 V
Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth)	Iimp 500 A
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) -40
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
Mechanical Characteristics	
Technology	GDT+TVS diode
Connection to Network	RJ45 shielded connectors Female input/output
Cable glands	Plastic/Rubber
Format	Metallic Enclosure with connectors input/output
Mounting	Wall / Pole
Accessory(s) provided	Pole bracket, wall bracket, screw, washer, RJ45 (2)
Operating temperature	Tu -40/+85°C
Ingress Protection rating	IP66 (NEMA 4/4X)



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Failsafe mode	Transmission cut-off - Fault mode 2 (short-circuit)
Pinout	(1-2)(3-6)(4-5)(7-8)
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
Environmental standards	EU RoHS
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	
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