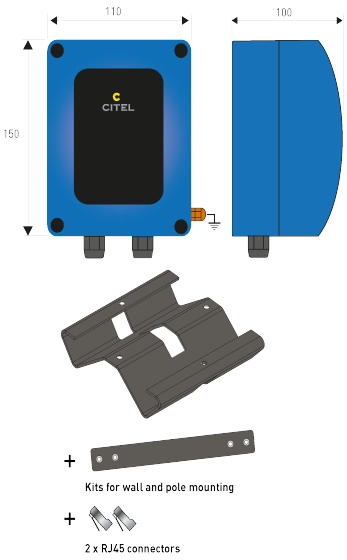
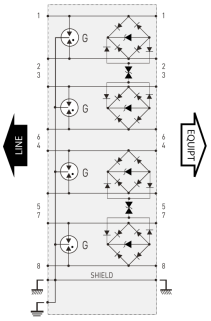
Outdoor Category 6 POE Surge Protective Device

CRMJ8-POE-C6/KF

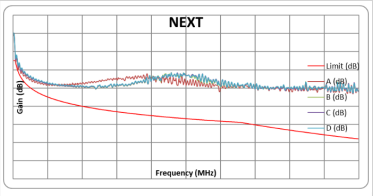
POE++ compatible

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





G: 3-electrode gas tube



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 (1.2/50us / 8/20µs), 300 applications X-X (Line/Line)*	In	1kV / 500A
Nominal discharge current *C1 (1.2/50us / 8/20µs), 300 applications, X-C (Pair-Pair, POE)*	In	200 V / 100 A
Nominal discharge current *C2 (1.2/50us / 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&6+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 @ 10A, (Pair-Pair, POE)*	Up	< 70 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	< 700 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		
581536		