



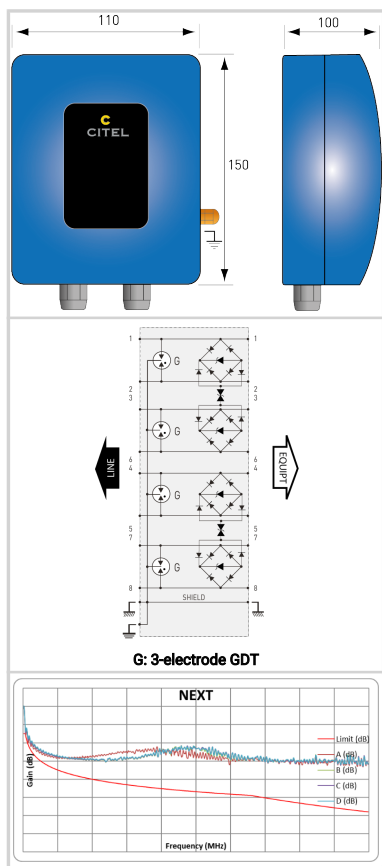
CITEL



Outdoor POE++ in-line surge protector

CRMJ8-POE-C6A

- ▶ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ RJ45 connectors
- ▶ Outdoor applications, IP66 (NEMA 4/4X)
- ▶ Metallic enclosure
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1



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 / 8/20us), 300 applications X-X (Line/Line)		In	1kV / 500A
Nominal discharge current C1 (1.2/50us / 8/20us), 300 applications, X-C (Pair-Pair, POE)		In	200 V / 100 A
Nominal discharge current C2 (1.2/50us / 8/20us), 10 applications X-C (Line/Earth)		In	4 kV / 2 kA
Max. discharge current max. withstand @ 8/20 us, X-C (Line/Earth)		Imax	2 kA
Max. discharge current max. withstand @ 8/20 us, 8X-C (1&2+3&6+4&5+7&8 to Earth)		Imax Total	16 kA
Protection Level C3 (10/1000us), 300 applications@10 A, Y-Y (Line/Line)		Up	≤ 20 V
Protection Level C3 (10/1000us), 300 applications @ 10A, (Pair-Pair, POE)		Up	< 70 V
Protection Level C3 (10/1000us), 300 applications@10 A, Y-C (Line/Earth)		Up	< 700 V
Impulse current D1 (10/350us), 2 applications, X-C (Line/Earth)		limp	500 A
Line resistance (± 10%)			~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)		C	< 5 pF
Mechanical Characteristics			
Technology		GDT+TVS diode	
SPD configuration		8 wires+shielded	
Connection to Network		RJ45 shielded connectors Female input/output	
Cable glands		Plastic/Rubber	
Format		Metallic Enclosure with connectors input/output	
Mounting		Wall	
Accessory(s) provided		screw + nut + cable shoe	
Housing material		Metallic	
Operating temperature		Tu	-40/+85°C
Ingress Protection rating		IP66 (NEMA 4/4X)	
Failsafe mode		Transmission cut-off - Fault mode 2 (short-circuit)	
Pinout		(1-2)(3-6)(4-5)(7-8)	
Dimensions		See diagram	
Standards			
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1	
UL Category		QVGQ - Isolated Loop Circuit Protectors	
UL File Number		E184939	
Certification		UL 497B	
Environmental standards		EU RoHS	
Part number			
581542			





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