



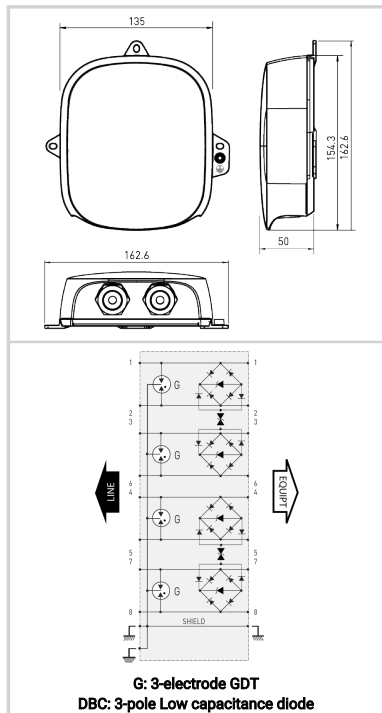
CITEL



10 gigabit POE ++ surge protector

CWMJ8-POE-C6A

- ▶ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ▶ Shielded RJ45 connectors
- ▶ Outdoor applications, IP66 (NEMA 4/4X)
- ▶ Plastic enclosure, UL94-V0
- ▶ Conforms to IEC/EN 61643-21
- ▶ SPD categories D1, C3, C2, C1
- ▶ 16kA total surge discharge capability



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. operating voltage (DATA)	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 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	< 100 V	
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)	Up	< 70 V	
Impulse current D1 (10/350μs), 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		Plastic Enclosure with connectors input/output	
Mounting		Wall / Plate	
Housing material		Thermoplastic UL94 V-0	
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 Listed	
Environmental standards		EU RoHS	
Part number			
581544			

