



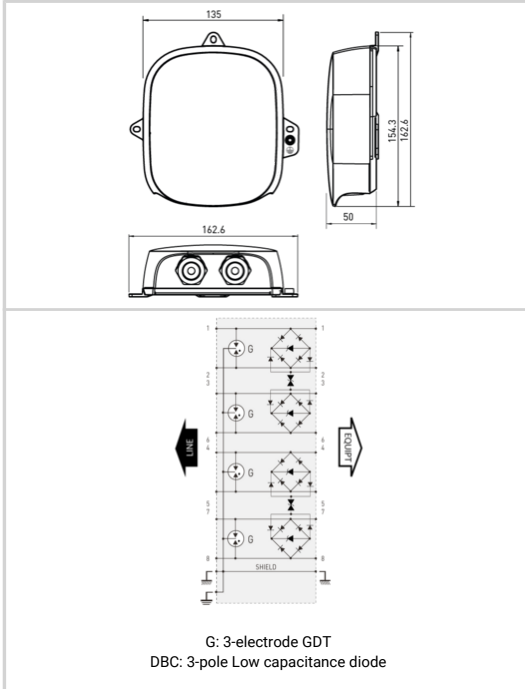
# CITEL

## 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



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	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
Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)	I <sub>max</sub>	2 kA
Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	< 70 V
Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	< 70 V
Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up	< 100 V
Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)	I <sub>imp</sub>	500 A
Nominal discharge current C1 category (8/20μs), 300 applications X-X (Line/Line)	I <sub>n</sub>	1kV / 500A
Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)	I <sub>n</sub>	4 kV / 2 kA
Line resistance (± 10%)		0 Ohm
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF
Mechanical Characteristics		
Technology		GDT+Clamping 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
Accessory(s) provided		screw + nut + cable shoe
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP66
Failsafe mode		Short-circuit
Pinout		(1-2)(3-6)(4-5)(7-8)
Dimensions		See diagram
Weight		0.29 kg / 0.64 lbs
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1
Certification		UL 497B
Part number		
581544		

