

Outdoor gigabit POE surge protector

CMJ8-POE series



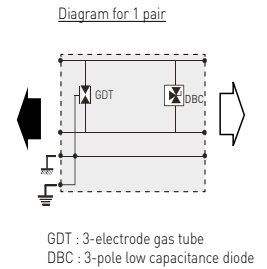
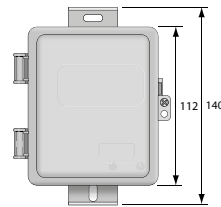
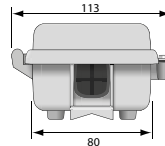
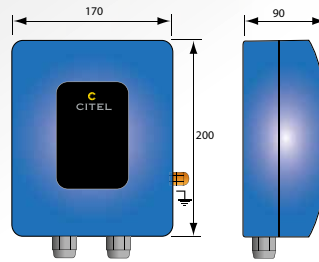
CMJ8-POE-A-CAT5E



CMJ8-POE-A-PCB



CRMJ8-POE-C6



- POE compatible
- Outdoor application
- Plastic enclosures (CMJ8/CGMJ8) or metallic (CRMJ8)
- IP65 and IP66
- Shielded RJ45 connectors
- 2 kA discharge capability
- IEC 61643-21, EN 61643-21 and UL497B compliance
- UL497A

Characteristics

CITEL Model	C*MJ8-POE-A-C5E	C*MJ8-POE-B-C5E	CRMJ8-POE-C6
Description	Outdoor gigabit POE-A surge protector	Outdoor gigabit POE-B surge protector	Outdoor 10Gigabit POE surge protector
Network	POE-A and Gigabit Ethernet, high POE	POE-B and Gigabit Ethernet, high POE	POE and 10Gigabit Ethernet, high POE
Max. data rate	1000 Mbps	1000 Mbps	10 Gbps
SPD configuration	8 wires + shielded	8 wires + shielded	8 wires + shielded
Pin outs	[1-2][3-6][4-5][7-8]	[1-2][3-6][4-5][7-8]	[1-2][3-6][4-5][7-8]
Nominal line voltage	Un 48 Vdc	5 Vdc/48 Vdc	5 Vdc/48 Vdc
Max. DC operating voltage	Uc 60 Vdc - 650 mA	7.5 Vdc (1.2.3.6) - 650 mA. 60 Vdc (4.5.7.8) - 650 mA	7.5 Vdc - 650 mA. 60 Vdc - 650 mA
Max. Load current	IL 1200 mA	1200 mA	1200 mA
Max. frequency	f max > 100 MHz	> 100 MHz	> 250 MHz
Insertion loss	< 1 dB	< 1 dB	< 1 dB
Line/Ground Nominal discharge current - 8/20µs Test x 10 - category C2	In 2000 A	2000 A	2000 A
Nominal discharge current Line/Line - 8/20µs Test x 10 - category C2	In 500 A	500 A	500 A
Impulse current - 2 x 10/350µs Test - D1 Category	Iimp 500 A	500 A	500 A
Protection level	Up 70 V	20/70 V	20/70 V
Failsafe behavior	Short-circuit	Short-circuit	Short-circuit
Mechanical characteristics			
Spare unit	CMJ8-POE-A-C5E/PCB	CMJ8-POE-B-C5E/PCB	CRMJ8-POE-C6/PCB
Dimensions	see diagram		see diagram
Format	Plastic Box with connectors input/output		Metal Box with connectors input/output - Reinforced seal
Connection to Network	RJ45 shielded connectors female input/output		RJ45 shielded connectors female input/output
Disconnection indicator	transmission interrupt		transmission interrupt
Mounting	on plate or pole		on plate or pole
Operating temperature	-40/+85°C		-40/+85°C
Outdoor application	yes		yes
Housing material	Thermoplastic UL94-V0		Aluminum cast
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497B IEEE 802-3ab/3at		IEC 61643-21 / EN 61643-21 / UL497B IEEE 802-3ab/3at
Part number			
IP65 version	CMJ8-POE-A-C5E 892002	CMJ8-POE-B-C5E 892003	
IP66 version - Reinforced seal	CGMJ8-POE-A-C5E 892004	CGMJ8-POE-B-C5E 892005	CRMJ8-POE-C6 581529

