

MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

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SPECIFICATION

MIT-33G-56B1N-IP66-T200G

Outdoor 802.3at Gigabit PoE Injector

1. INPUT :

- 1.1 Input Voltage: AC 100V ~ 240V
- 1.2 Input Frequency : 50 ~ 60hz
- 1.3 Input Current: 0.86A at 100Vac @F.L
0.38A at 240Vac
- 1.4 Inrush current: 25A Max at 120Vac & 50A Max at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	+56V
Max. load	0.625A
Power	35W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER : 60 W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

3. EFFICIENCY : 85% min. at AC 100V ~ 240V Input @F.L

4. PROTECTION

4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply will Auto Recover when Load status going to normally.

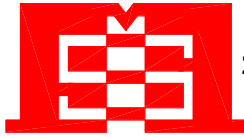
4.2 Over Voltage Protection : 59V ~ 63V

4.3 Over Current Limits : 802.3at Limits(~ 0.71A) @100V ~ 240Vac

4.4 Input with Fuse Protection

5. EMC : Meet FCC Class B, EN55032 Class B

5.1 SAFETY STANDARD : Meet EN60950-1, EN62368-1



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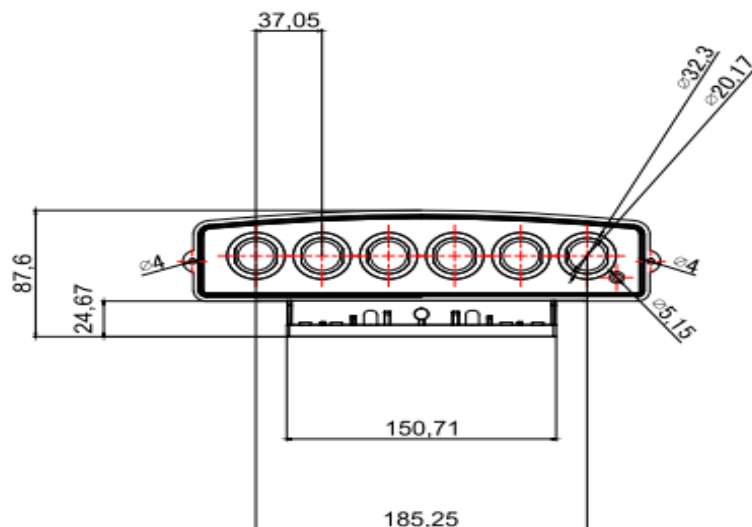
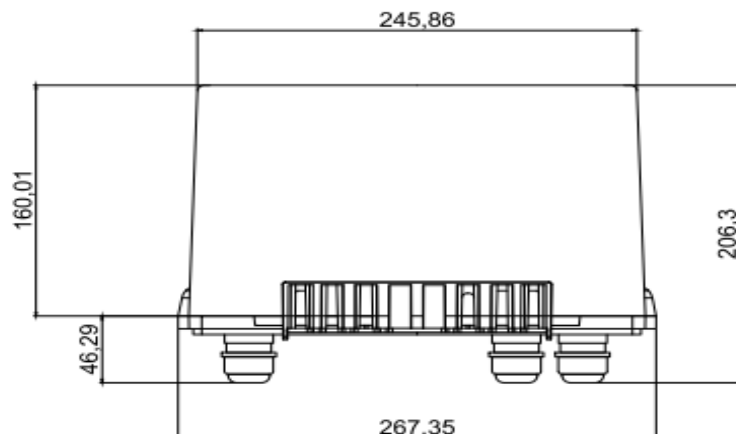
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6. GENERAL DESCRIPTION

- 6.1 Operation Temperature: -40 - +70 Degree
- 6.2 Storage Temperature: -40 - +85 Degree
- 6.3 Operation Humidity: 5% - 90%
- 6.4 Cooling: Free air cooling
- 6.5 SIZE 268*88*207 (L*W*H)
- 6.6 Waterproof IP66
- 6.7 Anti-UV plastic enclosure
- 6.8 Light Pole mountable with 6" hose clamp





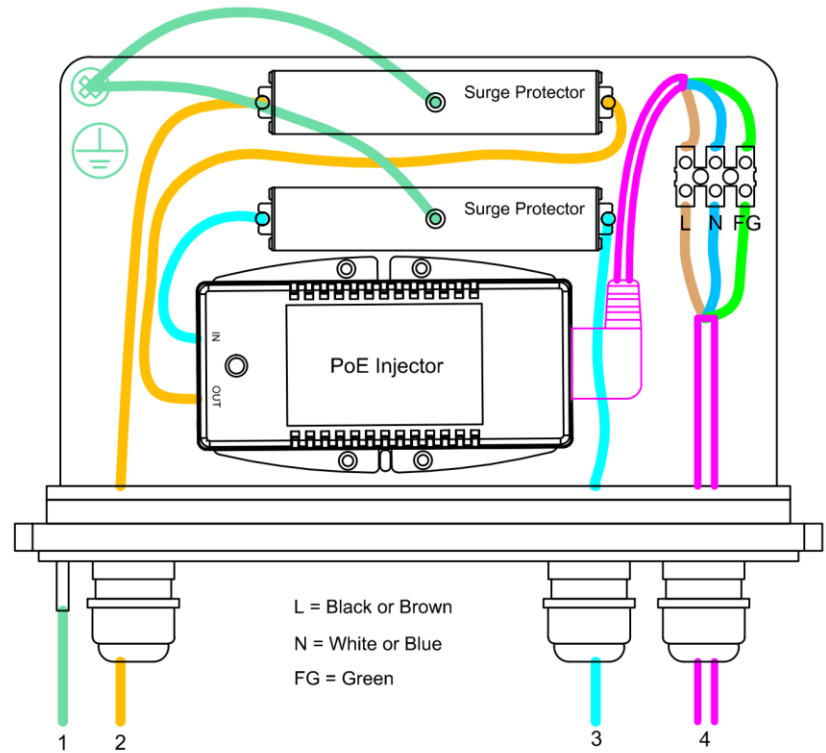
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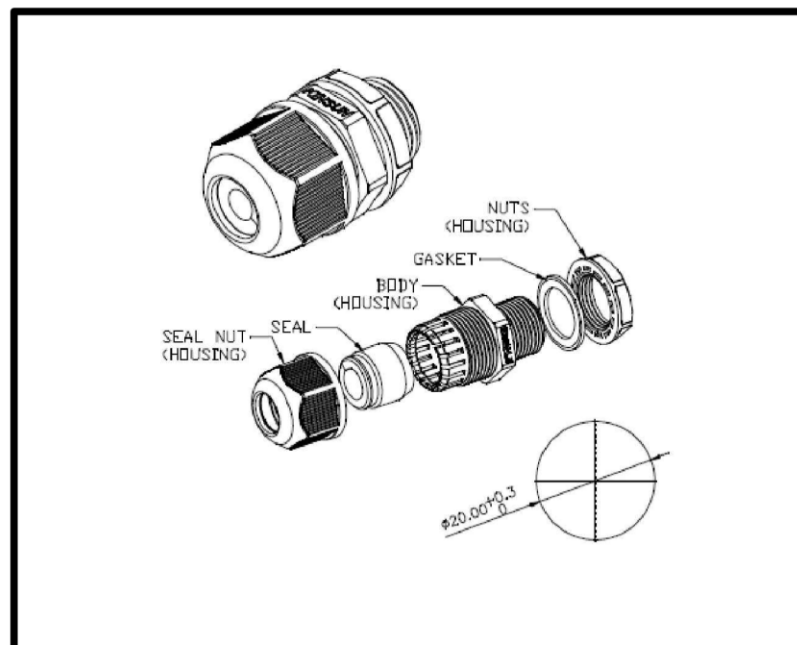
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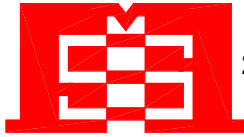
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1 ——— Ground 3 ——— DATA IN

2 ——— POE OUT 4 ——— AC IN





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7. RJ45 Connected and pin out: @1000MBASE

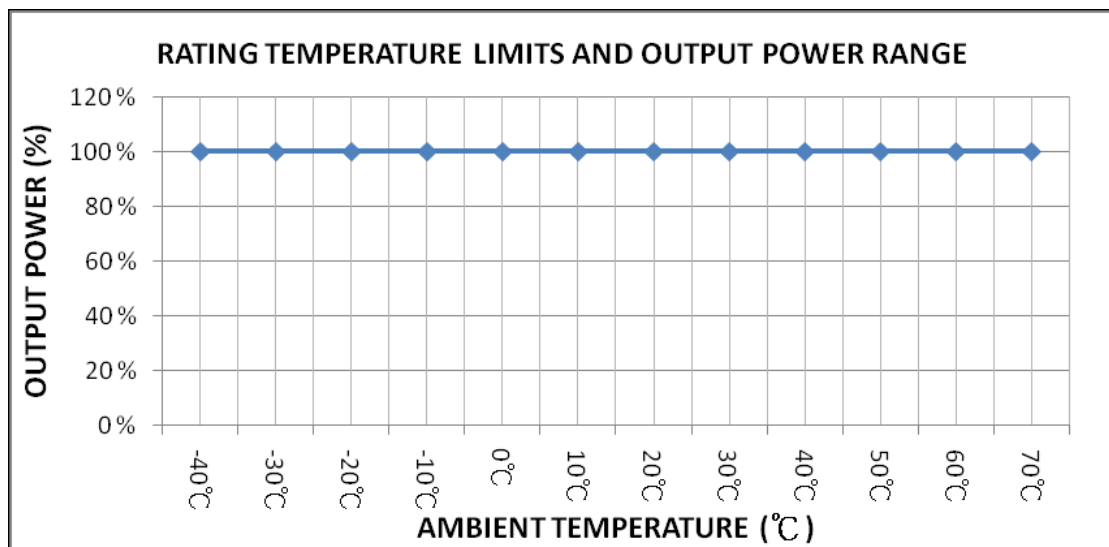
RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-

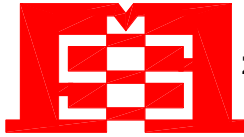
8. Indicator:

LED (GREEN) indicates POE Output OK



MIT-33G-56B1N TEMPERATURE CURVE





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SPEC. of SURGE/LIGHTNING PROTECTION (MS-T200G)

1. Nominal voltage operating DC voltage 56 V
2. Max. continuous operating DC voltage 58V
3. DC breakdown voltage 75V
4. Max. continuous DC voltage pair-pair (PoE) 58V
5. Nominal current 2.5 A(Each pair of lines)
6. Nominal discharge current line-line 17A (8/20 μ s)
7. Nominal discharge current line-FG 100A (10/1000 μ s,300times with 3mins interval)
8. Nominal discharge current line-FG 10KA (8/20 μ s,10 times with 3mins interval)
9. Voltage protection level line- FG Breakdown Voltage: 64V ~ 650V (for rising voltage 100V/s and 1000V/us)
10. Voltage protection level line- line Breakdown Voltage: 24V ~ 650V (for rising voltage 100V/s and 1000V/us)
11. Voltage protection level line-line for POE In Maximum Breakdown Voltage : 6V ~ 18.3V @IPP = 17A(8/20 μ s)
12. Capacitance line-line ≤ 3 PF
13. Capacitance line-FG ≤ 3 PF
14. Capacitance line-FG ≤ 150 PF@(3-FG) , (4-FG)
15. Operating temperature range -40°C to +90°C
16. Connection (input / output) RJ45 socket
17. Pinning 1 / 2, 3 / 6, 4 / 5, 7 / 8
18. Data Rate : 1G/10G bps
19. Ground Lug Wire : 14AWG
20. Each pair of lines Over-Current Protection , (1,2/3,6) & (4,5/7,8)
Over-Current Protection Turn-off point 2700 mA ~5400mA

