



MSTronic Co., Ltd.

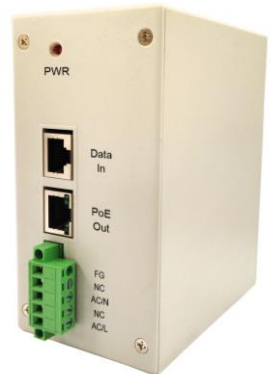
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SPECIFICATION

DIN-PS100-56DBN
802.3bt PoE Injector



1. INPUT :

- 1.1 Input Voltage: AC 100V ~ 240V ±10%
- 1.2 Input frequency : 50/60Hz
- 1.3 Input Current : 1.10A at 100Vac @F.L PF > 0.98
0.46A at 240Vac @F.L PF > 0.95
- 1.4 Inrush current: 25A Max at 120Vac & 50A Max at 230Vac

2. OUTPUT :

- 2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	1.6A
Power	90W Max.
Min. load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

Note 1: Noise bandwidth is from DC to 20Mhz. Ripple & Noise is measured by Paralleling a 0.1uF metalize capacitor on the test point.

- 3. EFFICIENCY : 88% min at Full Load , 100Vac ~ 240Vac Input Voltage

4. PROTECTION

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

- 4.1 Over Voltage Protection : 58V ~ 63V
- 4.2 Over Current Limits : 802.3bt Limits @100V ~ 240Vac



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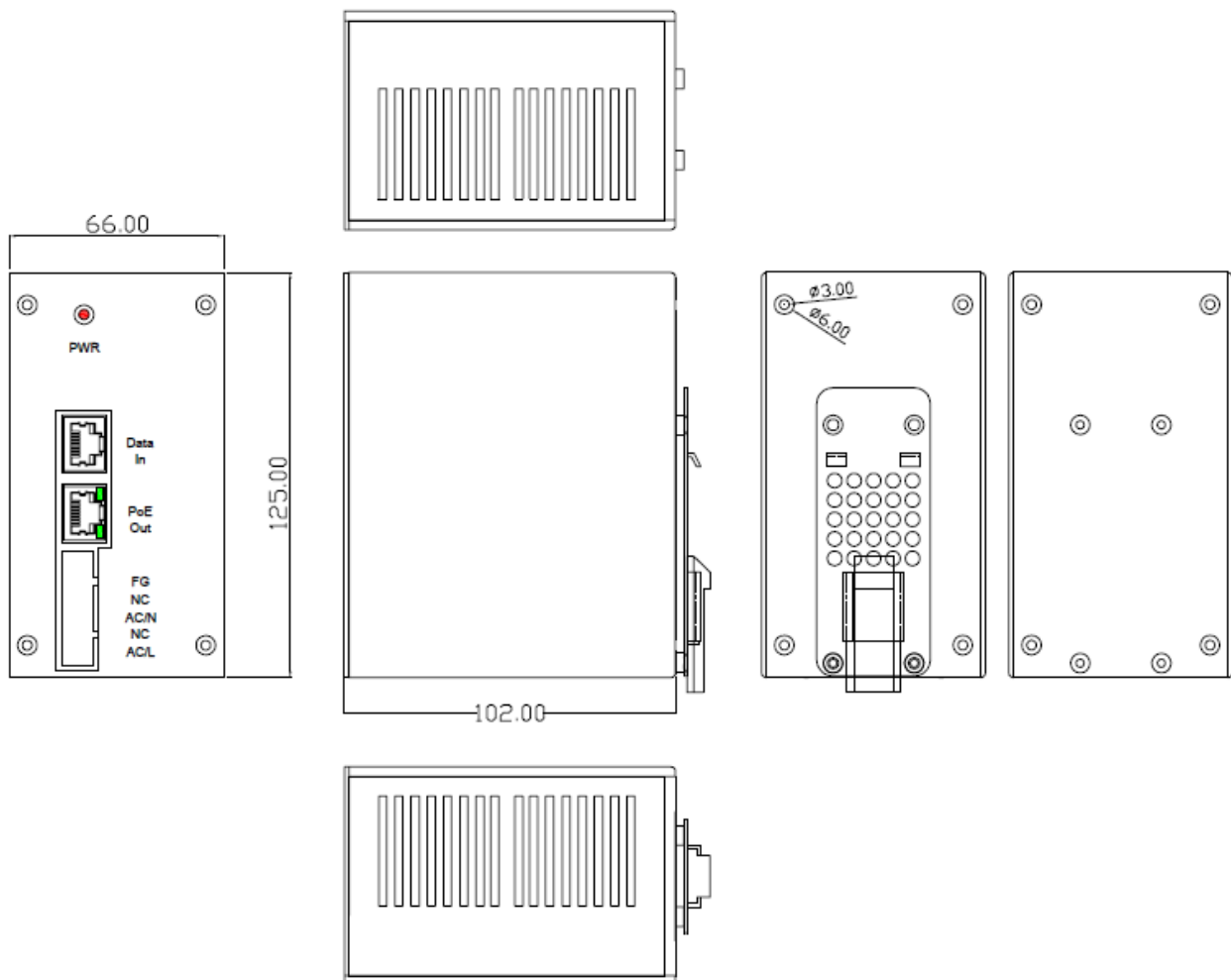
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- 5. EMC : Meet FCC Class A EN55032 Class A
- 5.1 SAFETY STANDARD : Meet EN60950-1
- 5.2 Hold up time :8mS min. at maximum load &120Vac Input.

6. GENERAL DESCRIPTION

- 6.1 Operation Temperature: -40 - +50 Degree
- 6.2 Storage Temperature: -40 - +85 Degree
- 6.3 Operation Humidity: 5% - 90%
- 6.4 Cooling: Free air cooling
- 6.5 SIZE : 66 x 125 x 102 mm(W*H*D) without bracket





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7. RJ45 pinouts assignment: (10M/100M/1000M/5G)

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	-Vdc + BI_DA+	power(-)+Data Pair A+
2	BI_DA-	Data Pair A-	-Vdc + BI_DA-	power(-)+Data pair A-
3	BI_DB+	Data Pair B+	+Vdc + BI_DB+	power(+)+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-	+Vdc + BI_DB-	power(+)+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-

Note : the model is isolated design, the output +/- can be shorted to ground (FG).

7.2 DIN-PS100-56PNN is Pin1,2=(-),3,6=(+)

7.3 DIN-PS100-56PNR is Pin1,2=(+),3,6=(-)

7.4 Indicators (on front panel, output RJ45)

LED1 : PWR/PSE ready

JP2 : GREEN indicates 802.3bt Output –OK

8. CONNECTOR FIGURE : P1

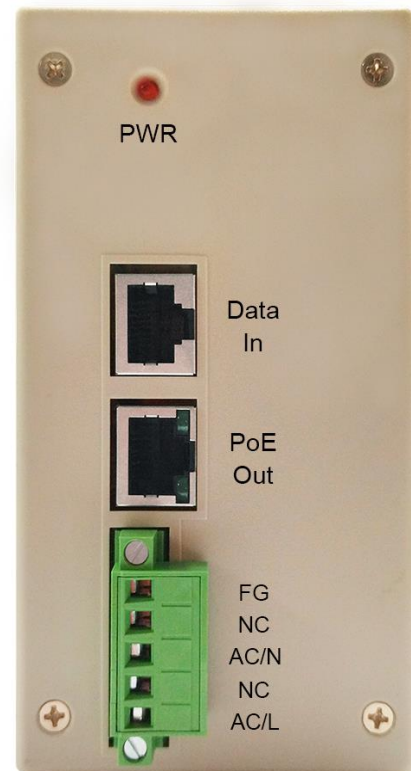
5EHDRM-05P

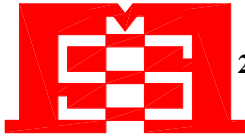
Pin 2&4 = NC = No Connect

Pin 1 = AC/L

Pin 3 = AC/N

Pin 5 = EARTH = FG





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RATING TEMPERATURE LIMITS AND OUTPUT POWER RANGE

MODEL : DIN-PS100-56DBN

