MSTronic Co., Ltd.

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MIT-96T-1256BDNM-M12-IP67

Industrial PoE Injector

DC/DC, Gigabit, 802.3at

SPECIFICATION

1. INPUT :

1.1 Input Voltage: 10Vdc to 36Vdc

1.2 Input Current: 4.68A at 10Vdc

1.31A at 36Vdc

2. OUTPUT :

2.1 Output Voltage & Current:

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

TOTAL POWER : 35W

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 : 75% min at Full Load , 12Vdc & 24Vdc Input Voltage

4. PROTECTION

4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Input with Fuse Protection.

4.3 Safety Standard: meet EN62368-1, EN45545

4.4 EMC : meet FCC Class B , EN55032/EN55035 Class B, EN60945, EN50155.

4.5 PoE : compliant to 802.3at mode B, class 0.

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5. GENERAL DESCRIPTION

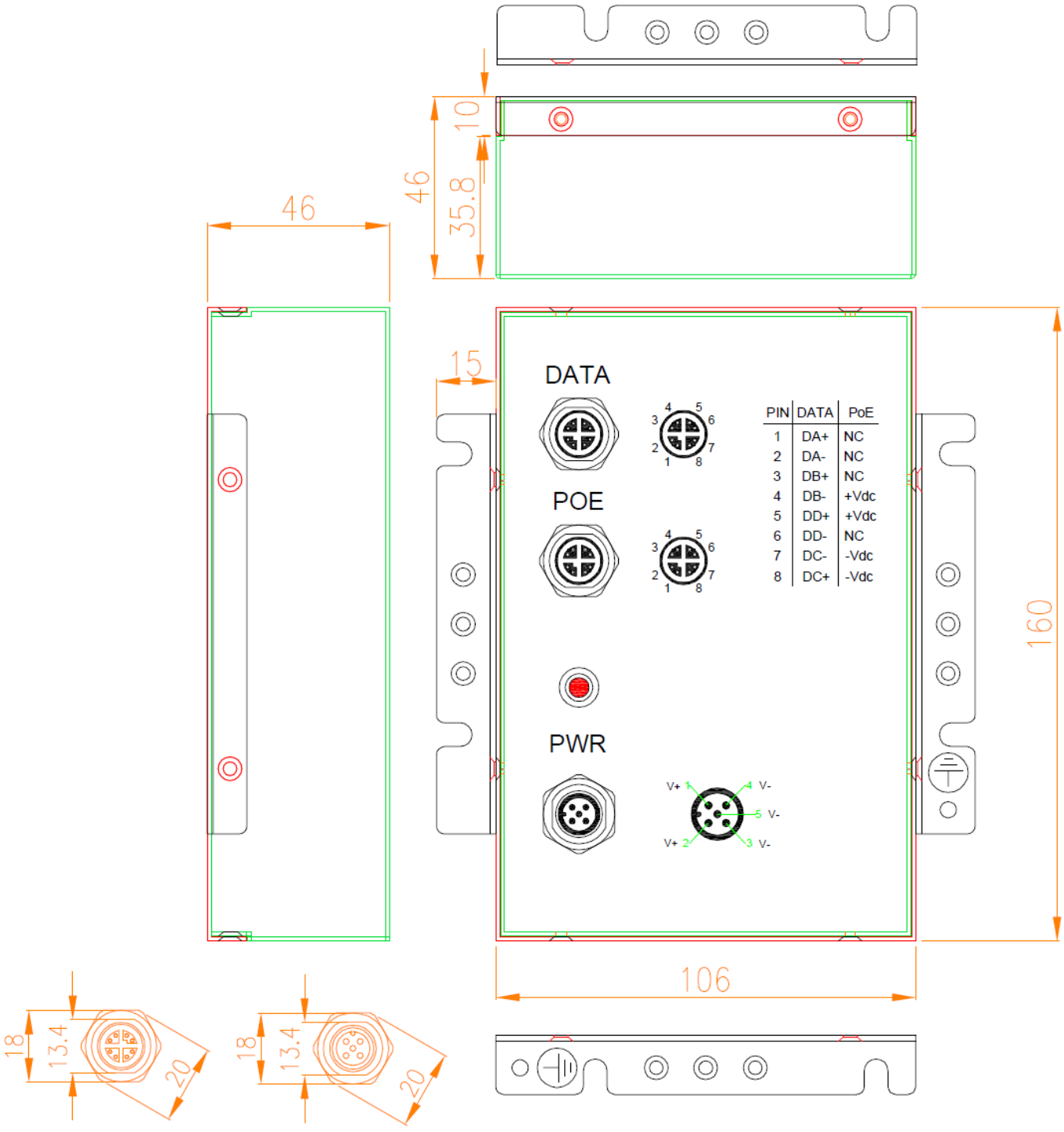
5.1 Operation Temperature: -40C - +75C

5.2 Storage Temperature: -40C - +85C

5.3 Operation Humidity: 5% - 90%

5.4 Cooling: Free air cooling

5.5 Dimensions: 160*106*46(L*W*H) m/m (without bracket)



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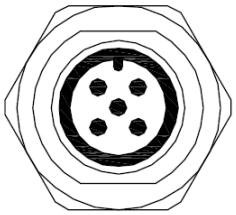
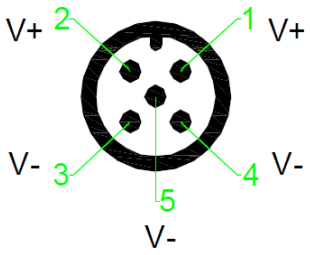
6. Indicator:

6.1 power ready: RED on

7. Input connector

The device provides M12 A-Code 5 pin connector on the front panel for input, the pin assignments as the figure.





PIN 1	V+
PIN 2	V+
PIN 3	V-
PIN 4	V-
PIN 5	V-

8. M12 X-code jack Connected and pin out: @1G(@CAT6A)

M12 X-Code Input (Data Only)			M12 X-Code Output (Data & Power)		PIN of RJ45
Pin	Symbol	Description	Symbol	Description	Pin
1	BI_DA+	Data Pair A+	BI_DA+	Data Pair A+	1
2	BI_DA-	Data Pair A-	BI_DA-	Data Pair A-	2
3	BI_DB+	Data Pair B+	BI_DB+	Data Pair B+	3
4	BI_DB-	Data Pair B-	BI_DB-	Data Pair B-	6
5	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+	7
6	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-	8
7	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-	5
8	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+	4

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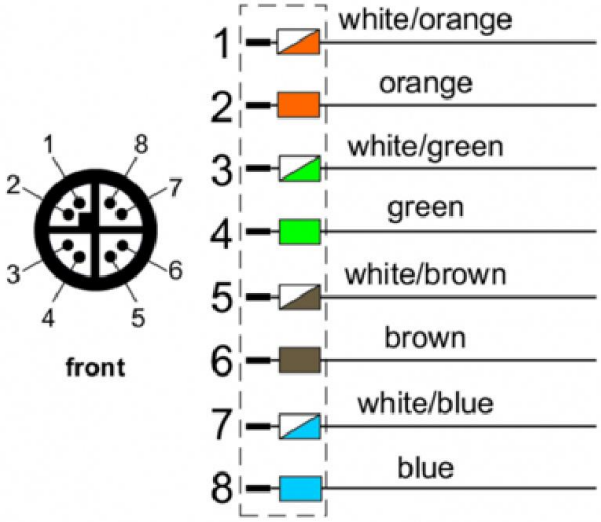
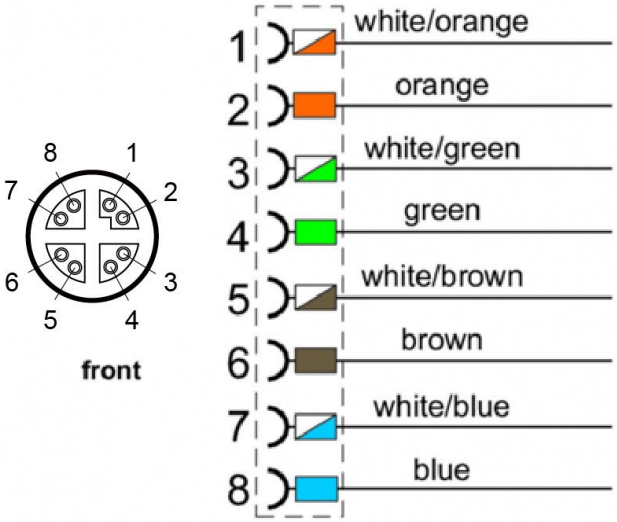
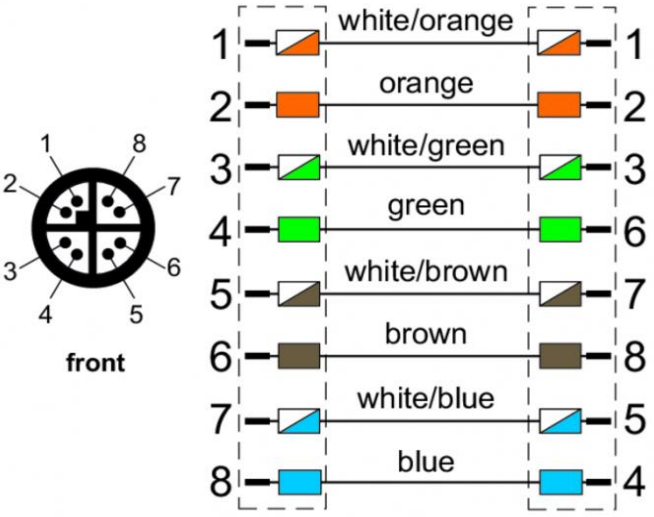
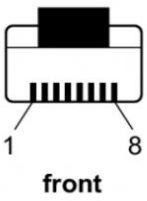
M12 plug



M12 jack



M12 plug



RJ45 plug