AMAX-5086

2-ch PWM with 2-ch DI Module



Features

- 2-channel PWM output with 2-channel digital input
- PWM frequency: 1 Hz to 125 kHz
- Maximum output current: 0.5 A per channel
- Load type: Ohmic, inductive, and lamp load
- 2,000 VDC isolation protection

Specifications

General

- **Certification** CE, FCC class A, cTUVus
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** Polycarbonate
- **Power Consumption** 3W @ 24 V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, R/E, PWM0, PWM1, DI0, DI1
- **Weight** Approx. 85g

PWM Output

- **Channels** 2
- **Rated Load Voltage** 24 V_{DC} (-15%/+20%), 1 A
- **Load Type** Ohmic, inductive, lamp load
- **Output Current** Maximum 0.5 A per channel
- **Short Circuit Protection** None
- **PWM Frequency** 1 Hz~125 kHz, 250 Hz default
- **Duty Factor** 0~100%
- **Resolution** Up to 300 Hz: 15 bits
Up to 600 Hz: 14 bits
Up to 1.2 kHz: 13 bits
Up to 2.4 kHz: 12 bits
Up to 4.8 kHz: 11 bits
Up to 9.6 kHz: 10 bits
Up to 19.2 kHz: 9 bits

Digital Input

- **Channels** 2
- **Digital Input** Wet contact
Logic level 1: 10~30 V_{DC}
Logic level 0: 0~3 V_{DC}
- **Input Delay** From logic level 0 to 1: 25 us
From logic level 1 to 0: 45 us
- **Digital Filter** Default: Disabled
Support range: 4.6 kHz to 0.18 Hz
(184 Hz default when filter enabled)
- **Typical Input Current** Logic level 1: 1.2~4.2 mA (10~30 V_{DC})

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -20~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condensing)

Ordering Information

- **AMAX-5086-A** 2-ch PWM with 2-ch DI Module

All product specifications are subject to change without notice.