AMAX-5080
2-ch Counter/Encoder Input Module

AMAX-5081
1-ch TTL/RS-422 Encoder/Counter Module

AMAX-5080

CE FCC RoHS COMPLIANT 2002/95/EC

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P
  push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, A+, A-, B+, B-, Z+, Z-, L+, L-

Counter/Encoder Input

- **Channels** 2
- **Counting Range** 32-bit
- **Mode** Counter (Encoder x4, Pulse/Dir.)

Frequency

- **Signal Input** Logic level 0: 0 ~ 5 V_{DC}
  Logic level 1: 11 ~ 30 V_{DC}
- **Input Frequency** 1MHz, Max. 4M increments/s (with 4-fold evaluation)

Protection

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

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5080** 2-ch Counter/Encoder Input Module

AMAX-5081

CE FCC RoHS COMPLIANT 2002/95/EC

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P
  push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 3W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, A, B, Z, IN, OUT

Counter/Encoder Input

- **Channels** 1
- **Counting Range** 32-bit
- **Mode** Counter Encoder x4, Pulse/Dir., CW/CCW, Pulse/Gate), Pulse Train Output
- **Power Supply** +5V, 100mA
- **Auxiliary IO** DI *1, DO*1 (5V_{DC})

Frequency

- **Signal Input** Single-ended 5V
  RS-422 differential
- **Input Frequency** 10MHz, Max. 40M increments/s (with 4-fold evaluation)

Protection

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

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5081** 1-ch TTL/RS-422 Encoder/Counter Module

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