AMAX-5001
AMAX-5079

2-ch Power Input with 4-ch Digital Input EtherCAT Slice IO Module

EtherCAT Extension Slice IO Module

AMAX-5001

CE FCC RoHS COMPLIANT 2002/95/EC

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Specifications

General

- **Certification**   CE, FCC class A
- **Connector**   Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure**   PC (UL 94V-0)
- **Power Consumption**   2W@24V$_{DC}$
- **Protocol**   EtherCAT
- **Transmission Rate**   100Mbps
- **Distributed Clock**   Supported, default inactive
- **LED Indicator**   PWR, RUN, Power Diagnosis LED

Power Input

- **Rated Voltage**   24V$_{DC}$ (± 20%)
- **Dual Power Input**   Supported
- **Max Current on Bus**   2A
- **Diagnosis Function**   Over/under voltage for input 1&2
                               Over current output on bus

Digital Input

- **Channels**   4
- **Digital Input**   Wet Contact
                               Rated voltage: 24V$_{DC}$
                               Logic level 1: 10~30 V$_{DC}$ and -10~-30 V$_{DC}$
                               Logic level 0: -3~3 V$_{DC}$
- **Input Delay**   From logic level 0 to 1: 4ms
                               From logic level 1 to 0: 4ms
- **Digital Filter**   3ms

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-5001-A**   2-ch Power Input with 4-ch Digital Input EtherCAT
                           Slice IO Module
- **IPS-D22A60W24V-A**   D22 DIN RAIL A/D 100-240V 60W 24V
- **PSD-A120W24**   DIN Rail AC to DC 100-240V 120W 24V
- **96PSD-A240W24-DF**   DIN Rail Power Supply AC to DC 100-240V 240W 24V

Specifications

General

- **Certification**   CE, FCC class A
- **Connector**   1 x RJ45
- **Enclosure**   PC (UL 94V-0)
- **Power Consumption**   Max. 0.1W @ 24V$_{DC}$
- **Protocol**   EtherCAT
- **Transmission Rate**   100Mbps
- **Distributed Clock**   Supported, default inactive
- **LED Indicator**   N/A

EtherCAT Extension

- **Function**   Conversion of EtherCAT to 100BASE-TX Ethernet
                               for extension of the EtherCAT network
- **Cable**   Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Distance between stations** Max. 100 m (100BASE-TX)
- **Bus Interface**   1 x RJ45
- **Power from bus**   N/A

Protection

- **Isolation Voltage**   1,500 V$_{DC}$ (LAN port)

Environment

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

Ordering Information

- **AMAX-5079-A**   EtherCAT Extension Slice IO Module

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