AMAX-5001
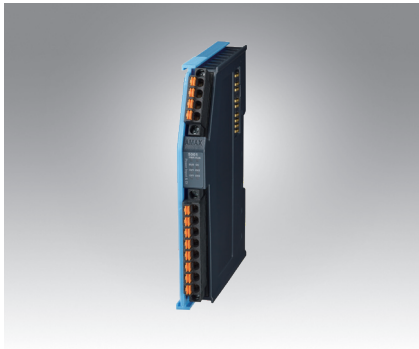# AMAX-5074
AMAX-5079

Smart Power Input Module with 4-ch DI

EtherCAT Coupler with ID Switch

EtherCAT Extension

AMAX-5001 CE FCC RoHS COMPLIANT 2002/95/EC

AMAX-5074 CE FCC RoHS COMPLIANT 2002/95/EC

AMAX-5079 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, 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** Smart Power Input Module with 4DI

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P push-in terminal (#24~16 AWG) and 2x RJ45
- **Enclosure** PC
- **Power Consumption** 2.5W@24V$_{DC}$
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **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 input 1/2 Over current output on bus

EtherCAT Coupler

- **Function** Coupling EtherCAT IO modules to 100BASE-TX EtherCAT network
- **Cable** Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Distance between stations** Max. 100 m (100BASE-TX)
- **Bus Interface** 2 x RJ45 (1 x Input, 1 x Output)

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-5074** EtherCAT Coupler with ID switch

Specifications

General

- **Certification** CE, FCC class A
- **Connector** 1 x RJ45
- **Enclosure** PC
- **Power Consumption** N/A
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **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** EtherCAT Extension

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