

# AMAX-5001

# AMAX-5074

# AMAX-5079

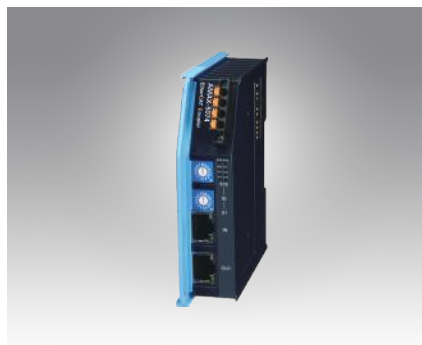
Smart Power Input Module with 4-ch DI

EtherCAT Coupler with ID Switch

EtherCAT Extension



AMAX-5001



AMAX-5074



AMAX-5079



## Specifications

### General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24-16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V<sub>DC</sub>
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, Power Diagnosis LED

### Power Input

- **Rated Voltage** 24V<sub>DC</sub> (± 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<sub>DC</sub>  
Logic level 1: 10~30 V<sub>DC</sub>  
and -10~-30 V<sub>DC</sub>  
Logic level 0: -3~3 V<sub>DC</sub>
- **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<sub>DC</sub>

### 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<sub>DC</sub>
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, Power Diagnosis LED

### Power Input

- **Rated Voltage** 24V<sub>DC</sub> (± 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 Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Cable** Max. 100 m (100BASE-TX)
- **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<sub>DC</sub> (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 Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Cable** Max. 100 m (100BASE-TX)
- **Distance between stations** Max. 100 m (100BASE-TX)
- **Bus Interface** 1 x RJ45
- **Power from bus** N/A

### Protection

- **Isolation Voltage** 1,500 V<sub>DC</sub> (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