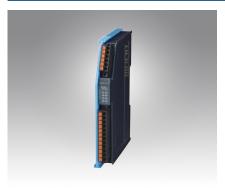
# AMAX-5052 AMAX-5057 AMAX-5057SO

## **16-ch Digital Input Module**

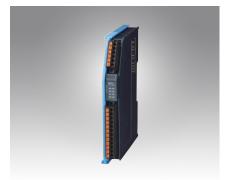
### 16-ch Sink-type Digital Output Module

## **16-ch Source-type Digital Output Module**



AMAX-5052

CEFCC ROHS



CEFCC ROHS

AMAX-5057



AMAX-5057SO

CEFCC ROHS

# **Specifications**

#### General

Certification
 Certification
 Certification
 Pluggable 6P+12P
 push-in terminal

push-in terminal (#28~16 AWG) PC

Enclosure
 Power Consumption
 Protocol
 Transmission Rate
 POMOMS
 PC
 2W@24V<sub>DC</sub>
 EtherCAT
 TOMMS

**LED Indicator** PWR, RUN, DI status

#### **Digital Input**

• Channels 16

Digital Input
 Dry Contact
 Logic level 1: close to

Logic level 1: close to Iso.GND
Logic level 0: open
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> From logic level 0 to 1: 4ms

> From logic level 1 to 0: 4ms

Digital Filter 3ms

• Input Impedance  $6.8 \text{ k}\Omega$  (wet contact)

#### **Protection**

Input Delay

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)

# **Specifications**

#### General

Certification CE, FCC class A
Connector Pluggable 6P+12P
push-in terminal
(#28~16 AWG)

**Enclosure** PC

Power Consumption 2.5W@24V<sub>DC</sub>

Protocol

Transmission Rate
 Distributed Clock
 Default inactive

LED Indicator
 PWR, RUN, DO status

#### **Digital Output**

Channels 16 (Sink Type)
 Voltage Rating 10~30V<sub>DC</sub>
 Rated Current Output signal "1"

■ Leakage Current 25 µA per channel at signal "0"

Output Delay
 From logic level 0 to 1:
10ue

From logic level 1 to 0: 100µs

EtherCAT

#### **Protection**

■ Isolation Voltage 2,000 V<sub>DC</sub>

Internal Flyback diode for inductive load

#### **Environment**

Operation Temperature -25~60°C (vertical mounted)

Storage Temperature -40~85°C

• Relative Humidity 95% (non-condense)

# **Specifications**

#### General

Certification
 Connector
 Certification
 Pluggable 6P+12P
 push-in terminal
 (#28~16 AWG)

Enclosure
PC

Power Consumption 2.5W@24V<sub>DC</sub>
 Protocol EtherCAT

Transmission Rate
 Distributed Clock
 Default inactive

# LED Indicator Digital Output

Channels 16 (Source Type)
 Voltage Rating 10-30V<sub>DC</sub>
 Rated Current Output 0.5A per channel at signal "1"

Leakage Current 10 μA per channel at signal "0"

• Output Delay From logic level 0 to 1: 150µs

From logic level 1 to 0: 2ms

PWR, RUN, DO status

#### **Protection**

Isolation Voltage 2,000 V<sub>DC</sub>
 Internal Flyback diode for inductive load

#### **Environment**

• Operation Temperature -25~60°C (vertical mounted)

■ Storage Temperature -40~85°C

• Relative Humidity 95% (non-condense)

# **Ordering Information**

AMAX-5057

16-ch Sink-type Digital Output Module

# **Ordering Information**

AMAX-5057SO

16-ch Source-type Digital Output Module

# **Ordering Information**

AMAX-5052

16-ch Digital Input Module