AMAX-5051 AMAX-5056 **AMAX-5056SO**

8-ch Digital Input Module

8-ch Sink-type Digital Output Module

8-ch Source-type Digital Output Module







CEFCC ROHS AMAX-5056



AMAX-5056SO

CEFCC ROHS

Specifications

AMAX-5051

General

 Certification CE, FCC class A Pluggable 4P+8P Connector push-in terminal (#24~16 AWG)

PC Enclosure Power Consumption $2W@24V_{DC}$ EtherCAT Protocol Transmission Rate 100Mbps

LED Indicator PWR, RUN, DI status

Digital Input

Channels 8

 Digital Input Dry Contact Logic level 1: close to

Iso.GND Logic level 0: open Wet Contact Rated voltage: 24VDC Logic level 1: 10~30 V_{DC} and -10~-30 VDC Logic level 0: -3~3 VDC From logic level 0 to 1:

From logic level 1 to 0:

4ms

 Digital Filter 3ms

Protection

Input Delay

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-5051

8-ch Digital Input Module

Specifications

General

 Certification CE, FCC class A Pluggable 4P+8P push-Connector in terminal (#24~16 AWG) PC

Enclosure **Power Consumption** 2W@24V_{DC}

Protocol EtherCAT **Transmission Rate** 100Mbps

Distributed Clock Default inactive **LED** Indicator PWR, RUN, DO status

Digital Output

Channels 8 (Sink Type) **Voltage Rating** 10~30V_{DC} **Rated Current Output** 0.3A per channel at signal "1" Leakage Current

25 µA per channel at signal "0" From logic level 0 to 1:

100µs

 Output Delay From logic level 1 to 0:

Protection

 Isolation Voltage 2,000 V_{DC} Internal Flyback diode for inductive load

Environment

-25~60°C (vertical Operation Temperature mounted) Storage Temperature -40~85°C

Relative Humidity 95% (non-condense)

Specifications

General

 Certification CE, FCC class A Connector Pluggable 4P+8P push-in terminal (#24~16 AWG) PC Enclosure Power Consumption 2W@24V_{DC}

Protocol EtherCAT Transmission Rate 100Mbps Distributed Clock Default inactive

 LED Indicator PWR, RUN, DO status

Digital Output

Channels 8 (Source Type) Voltage Rating 10~30V_{DC} 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

Protection

 Isolation Voltage 2,000 V_{DC} 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-5056 8-ch Sink-type Digital Output Module

Ordering Information

AMAX-5056SO

8-ch Source-type Digital Output Module