

AMAX-4830/SO

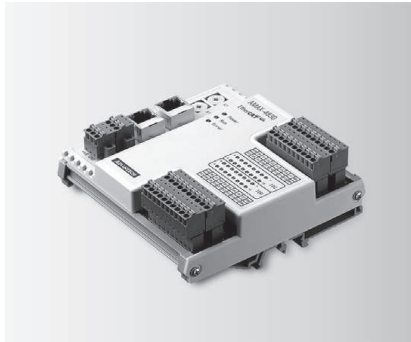
AMAX-4833

AMAX-4834

16-ch Isolated Digital Input and 16-ch Isolated Digital Output EtherCAT Remote I/O Module

32-ch Isolated Digital Input EtherCAT Remote I/O Module

32-ch Isolated Digital Output EtherCAT Remote I/O Module



AMAX-4830/SO



Features

- Suitable for EtherCAT networks
- 16-ch digital input and 16-ch digital output with 2,500 V_{DC} isolation
- Wide input voltage range (10 ~ 30 V_{DC})
- Wide output voltage range (5 ~ 40 V_{DC}) and high output current (350 mA/ch)
- Quick removable European type connector
- LED indicators for I/O status
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two Rotary switches for up to 256 SubDevice IDs

Introduction

The AMAX-4830/SO is an industrial EtherCAT SubDevice module equipped with the EtherCAT protocol. Its compact size and DIN-rail mount kit can install easily in a cabinet. Euro type pluggable terminal blocks and LED indicator help users to maintain and set up their system. All digital input and digital output channels are protected by 2,500 V_{DC} isolation.

Specifications

Communication

- **Interface** EtherCAT
- **Data transfer medium** Ethernet/EtherCAT cable (min. CAT 5), shielded
- **Distance between modules** Max. 100 m (100BASE-TX)
- **Communication Cycle Time** 100us
- **Data transfer rates** 100 Mbps
- **Configuration** Not required

Digital Input

- **Response time** 20us
- **Channels** 16
- **Input voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (30 V max.)
- **Isolation protection** 2,500 V_{DC}

Digital Output

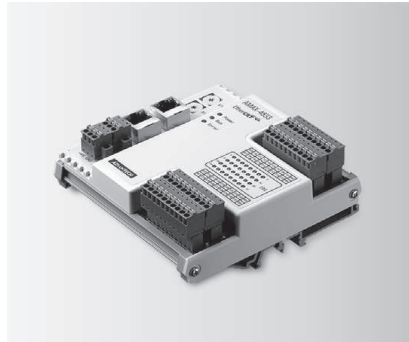
- **Channels** 16
- **Load voltage** 5 ~ 40 V_{DC}
- **Load current** AMAX-4830: 250mA/ch (Sink) @ 60°C
AMAX-4830SO: 250mA/ch (Source) @ 25°C
200mA/ch (Source) @ 60°C
- **Isolation protection** 2,500 V_{DC}
- **Opto-isolator Response Time** 100us

General

- **Connectors** 10-pin 3.81 mm terminal block * 4 (I/O)
3-pin 3.81 mm screw terminal block (power)
RJ-45 * 2 (EtherCAT)
- **Dimensions** 120 mm x 120 mm x 40 mm
- **Operating temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V_{DC}
- **Power Consumption** Typical 85mA @24V; Max. 110mA @24V

Ordering Information

- **AMAX-4830-B** 16-ch isolated digital input and 16-ch isolated digital output EtherCAT remote I/O module
- **AMAX-4830SO-B** 16-ch isolated DI and 16-ch isolated source type DO EtherCAT remote I/O module
- **96PSD-A40W24-MM** DIN RAIL A/D 100-240V 40W 24V



AMAX-4833



Features

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- 32-ch digital input with 2,500 V_{DC} isolation
- Wide input voltage range (10 ~ 30 V_{DC})
- Quick removable European type connector
- LED indicators for I/O status
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
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Introduction

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Specifications

Communication

- **Interface** EtherCAT
- **Data transfer medium** Ethernet/EtherCAT cable (min. CAT 5), shielded
- **Distance between modules** Max. 100 m (100BASE-TX)
- **Data transfer rates** 100 Mbps
- **Configuration** Not required
- **Communication Cycle Time** 100us

Digital Input

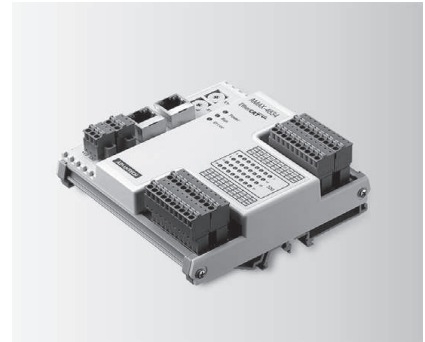
- **Response time** 20us
- **Channels** 32
- **Input voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (30 V max.)
- **Isolation protection** 2,500 V_{DC}

General

- **Connectors** 10-pin 3.81 mm terminal block * 4 (I/O)
3-pin 3.81 mm screw terminal block (power)
RJ-45 * 2 (EtherCAT)
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- **Power Consumption** Typical 85mA @24V; Max. 110mA @24V

Ordering Information

- **AMAX-4833-B** 32-ch isolated digital input EtherCAT remote I/O module
- **96PSD-A40W24-MM** DIN RAIL A/D 100-240V 40W 24V



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Features

- Suitable for EtherCAT networks
- 32-ch digital output with 2,500 V_{DC} isolation
- Wide output voltage range (5 ~ 40 V_{DC}) and high output current (350 mA/ch)
- Quick removable European type connector
- LED indicators for I/O status
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two Rotary switches for up to 256 SubDevice IDs

Introduction

The AMAX-4834 is an industrial EtherCAT SubDevice module equipped with the EtherCAT protocol. Its compact size and DIN-rail mount kit can install easily in a cabinet. Euro type pluggable terminal blocks and LED indicator help users to maintain and set up their system. All digital output channels are protected by 2,500 V_{DC} isolation.

Specifications

Communication

- **Interface** EtherCAT
- **Data transfer medium** Ethernet/EtherCAT cable (min. CAT 5), shielded
- **Distance between modules** Max. 100 m (100BASE-TX)
- **Data transfer rates** 100 Mbps
- **Configuration** Not required
- **Communication Cycle Time** 100us

Digital Output

- **Channels** 32
- **Load voltage** 5 ~ 40 V_{DC}
- **Load current** 350mA/ch (sink) @ 25°C
250mA/ch (sink) @ 60°C
- **Isolation protection** 2,500 V_{DC}
- **Opto-isolator Response Time** 100us

General

- **Connectors** 10-pin 3.81 mm terminal block * 4 (I/O)
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RJ-45 * 2 (EtherCAT)
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