AMAX-2730

8/8-ch Isolated Digital Input/ Output Slave Module

NEW

Features

- DIN-rail mounting (L x W x H): 125 x 47.6 x 156 mm
- Max. 20 Mbps transfer rate
- Onboard terminal for direct wiring
- Easy installation with RJ45 phone jack and LED diagnostic
- LED indicator for each IO channel (Switch by SW4)
- Highly integrated and compact size
- 2500 Vrms Isolation voltage

Introduction

AMAX-2730 is a digital slave module for AMONet™ RS-485 that extend the digital I/O capacity by 16 channels. (8 input, 8 output). All digital I/O slave modules are connected serially with a simple cat.5 cable. This reduces wiring between driver and controller and is very suitable for highly integrated machine automation applications. High speed, scalability and cost-effectiveness ensure a solid solution for machine builders.

AMAX-2730 is designed for the applications which with limited installation space. it integrates 8 DI, 8 DO, and on board terminal for direct wiring in a compact module. With it, you can connect actuators/sensors directly with minimum hassle. You can access I/O points nearby or 100 meters away using simple and low-cost wiring.

Specifications

Isolated Digital Input

- **Channels**   8
- **Input Type**   Dry contact
- **Isolation Protection**   2,500 V_{RMS}
- **Opto-Isolator Response**   18 µs
- **Input Resistance**   1 kΩ

Isolated Digital Output

- **Channels**   8
- **Output Type**   Sink (NPN) (open collector Darlington transistors)
- **Isolation Protection**   2,500 V_{RMS}
- **Output Voltage**   5 ~ 30 V_{DC}
- **Sink Current**   1CH: 500 mA (1 port)
  8CH: 150 mA @ (duty 50%, 25° C) (1 port)

General

- **Bus Type**   AMONet RS-485
- **Certifications**   CE
- **Connectors**   2 x RJ45, 2 x 40-pin wiring terminal
- **Dimensions (L x W x H)**   126 x 46 x 162 mm
- **LED Indicators**   I/O, power, error, run
- **Power Consumption**   Typical: 1 W
- **Power Supply**   10 ~ 30 V_{DC}
- **Power Supply for DIO**   10 ~ 30 V_{DC} (Current<2A)
- **Humidity**   5 ~ 95% RH, non-condensing (IEC 68-2-3)
- **Operating Temperature**   0 ~ 60° C (32 ~ 140° F)

Ordering Information

- **AMAX-2730**   8/8-ch Isolated Digital Input/Output Slave Module