

NEIO-B1201/B1202

32-CH Digital Output EtherCAT Slave Module



NEIO-B1201



NEIO-B1202

Main Features

- ♦ Finger-safe wiring cover
- ♦ Detachable screw terminals
- ♦ Rotational pin-assignment marks
- ♦ On-module LED indicators
- ♦ User-friendly wiring label
- ♦ Multiple mounting methods

Product Overview

NEIO-B1201 is a 32-channel NPN type digital output EtherCAT slave module. Its normal output voltage is 24 V_{DC}, and it supports resistive, inductive types of loads. NEIO-B1202 is a 32-channel PNP type digital output EtherCAT slave module. Its normal output voltage is 24 V_{DC}, and it supports three types of loads - resistive, inductive and capacitive. All of the NEIO modules are provided with high isolation protection, and verified by the EtherCAT conformance test tool. Therefore NEIO is a reliable module to implement in your applications.

Specifications

Digital Output

Model Name	NEIO-B1201	NEIO-B1202
Type	NPN	PNP
Output Voltage	24 V _{DC}	24 V _{DC}
Load Type	Resistive, Inductive	Resistive, Inductive, Capacitive
Max. Output Current	500 mA/ch	500 mA/ch
Switching Times	Off to On: 100 μs On to Off: 150 μs	Off to On: 100 μs On to Off: 150 μs

Communication

- ♦ Protocol: EtherCAT
- ♦ Bus interface: 2 x RJ-45 (daisy-chain)
- ♦ Media: Ethernet cable (min. CAT 5), shielded
- ♦ Distance between stations: maximum. 100m (100BASE-TX)
- ♦ Data transfer rate: 100M baud

Power Requirements

- ♦ DC input range: DC 24V ±20% with over-voltage and reversed-voltage protection

Model Name	NEIO-B1201	NEIO-B1202
Power Consumption	2 W	2 W

Common Section

- ♦ Electrical isolation: 2.5 kV (power contact)
- ♦ Operating temperature: 0°C~55°C
- ♦ Storage temperature: -40°C~85°C
- ♦ Relative humidity: 5~95%, non-condensation, non-operating
- ♦ Shock: IEC 60068-2-27
- ♦ Vibration: IEC 60068-2-6, IEC 60068-2-64
- ♦ Enclosure type rating: IP20
- ♦ Mounting type: din-rail (35mm), wall-mount
- ♦ Dimensions (mm): 155 x 115 x 57.4 (W x H x D)

Certifications

- ♦ CE
- ♦ FCC Class A

Technical drawing of the 155mm wide, 115mm high, 35.8mm deep 1U rackmountable power supply unit. The drawing includes a front view showing the input/output terminals, a top view showing the internal components and cooling fans, and a side view showing the mounting ears. Dimensions are provided in millimeters.

- **NEIO-B1201 (P/N: 10J80120100X0)**
32-CH digital output EtherCAT slave module (NPN)
- **NEIO-B1202 (P/N: 10J80120200X0)**
32-CH digital output EtherCAT slave module (PNP)
- **AC to DC din rail power supply (P/N: 7440060001X00)**
60 W 24V/2.5A for NISE