

CN-8033 EtherCAT Network Adapter

1 The module overview

The CN-8033 EtherCAT I/O module supports standard EtherCAT protocol access. The adapter supports a Max. input of 1024 bytes and a Max. output of 1024 bytes. It supports 32 pcs of extended IO modules.

2 Technical Parameters

Hardware Specification	
System Power	Nominal:24VDC, Range: 20-30VDC Current: Max.2A@24VDC Protection: Reverse Protection, Overcurrent Protection
Power Consumption	110mA@24VDC
Internal BUS Supply Current	Max: 2A@5VDC
Isolation	System Power to Field Power Isolation
Field Power Supply	Power Supply: 20.4~28.8V (Nominal 24VDC)
Field Power Supply Current	Max. DC 8A
I/O Modules supported	32 pcs
Wiring	Max.: AWG 18 Min.: AWG 24
Installation	35mm DIN-Rail
Size	115*51.5*75mm
Weight	130g
Vibration Resistance	Comply with IEC 61131-2 and EC 60068-2-6
Impact resistance	Comply with IEC 61131-2 and IEC 60068-2-27
EMC Performance	Comply with IEC 61131-2 and IEC 61000-4
Environment Specification	
Operating Temperature of Horizontal Installation	-35°C~70°C
Operating Temperature of Vertical Installation	-35°C~60°C
Relative Humidity	< 95%RH (No Condensation)
Storage Temperature	-40°C~85°C
Storage Humidity	< 95%RH (No Condensation)
Manufacturing Test Temperature	-40°C~75°C
Ingress Protection Rating	IP20
EtherCAT Parameter	
Protocol	EtherCAT
Process data area	Input Max.1024 Bytes, Output Max.1024 Bytes
Network Interface	2 *RJ45
Speed	10/100Mbps, MDI/MIDX, Full-Duplex
Max.Bus Length	100m



THERE IS A RISK OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.

Disconnect all devices from power, including connected devices, before removing any covers, or installing or removing any accessories, hardware, cables, or wires, except in specific circumstances specified in the appropriate hardware guidelines for this device.

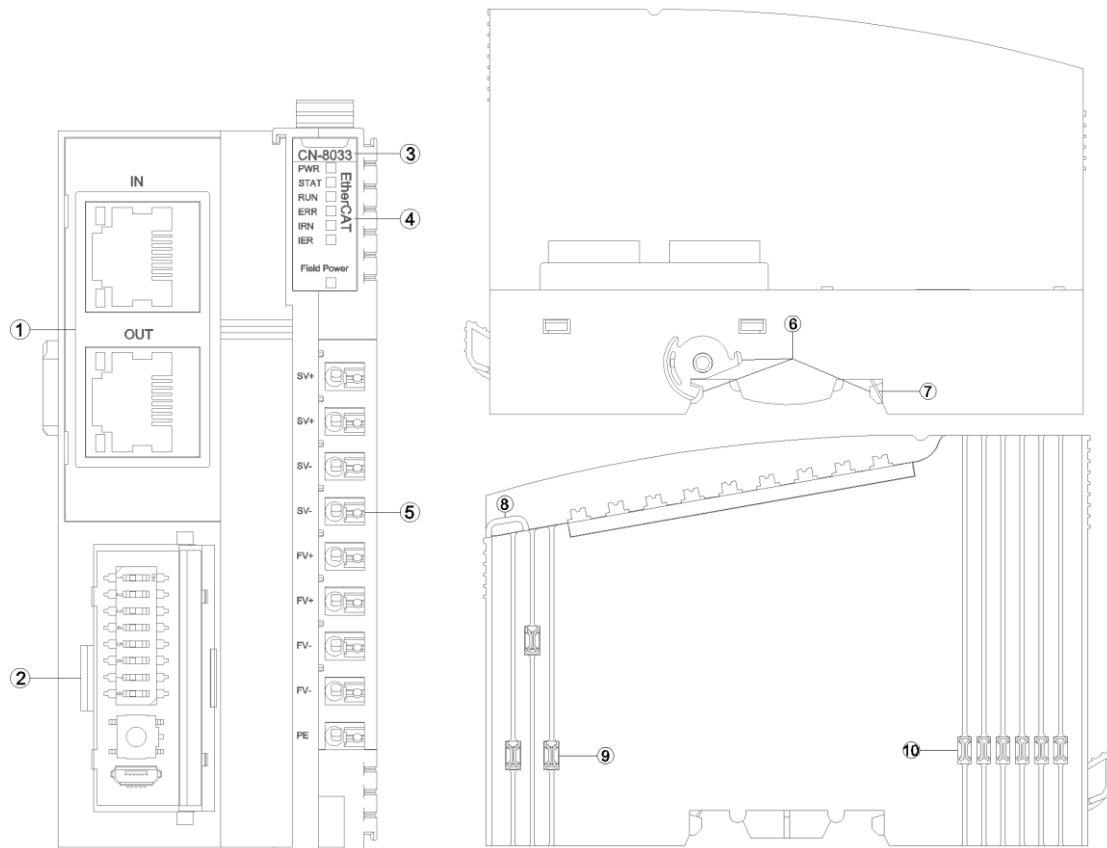
Always use a voltage sensing device with an appropriate rating to detect a power outage at the appropriate place and time, as instructed.

Replace and tighten all covers, accessories, hardware, cables, and wires, and confirm that the ground connection is correct before powering on the device.

When operating this equipment and related products, the specified voltage must be used.

Failure to follow instructions specified by the manufacturer may result in serious consequences such as death, personal injury, or damage to equipment since the protection provided by the equipment may be impaired.

3 Hardware Interface



- ① Network Interface
- ② Config Interface
- ③ Module Type
- ④ LED Indicator
- ⑤ Wiring Terminal
- ⑥ Buckle
- ⑦ Grounding Spring Sheet
- ⑧ Fixed Wiring Harness
- ⑨ Field Power
- ⑩ Internal Bus