

A03B-0815-C003

I O Module

Twenty-four digital inputs and sixteen digital outputs on a FANUC I/O Link expansion chain

PRODUCT SNAPSHOT

BRAND

FANUC

FAMILY

FANUC I/O Link expansion module system

PART

A03B-0815-C003

PRODUCT TYPE

I O Module

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

Twenty-four digital inputs and sixteen digital outputs on a FANUC I/O Link expansion chain

1

Adds twenty-four digital input points

2

Adds sixteen digital output points

3

Connects through the FANUC I/O Link system

4

Omits the manual pulse-generator interface

SYSTEM COMPONENTS

compatible FANUC I/O basic module

flat expansion cable

FANUC I/O Link master

documented field terminal unit and wiring

TECHNICAL NOTE

Record the basic-module position, flat-cable order, I/O Link allocation and every DI/DO terminal before replacing A03B-0815-C003.

TECHNICAL DATA

PARAMETER	VALUE
Order code	A03B-0815-C003
Module	Expansion module B
Digital inputs	24
Digital outputs	16
MPG interface	Not provided
Network	FANUC I/O Link
Expansion topology	Up to 3 expansion modules per basic module by flat cable
CNC slave capacity	Up to 16 units or 1024 input / 1024 output points

PARAMETER	VALUE
Operating temperature	0 to 55 degC
Storage temperature	-20 to 60 degC
Maximum temperature change	1.1 degC per minute
Normal relative humidity	75% or less
Short-term relative humidity	95% or less
Maximum vibration	0.5 g
Official publication	B-64303EN/01

ENGINEERING NOTE

Record the basic-module position, flat-cable order, I/O Link allocation and every DI/DO terminal before replacing A03B-0815-C003.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Emerson VCCM8551G410MO	Related industrial automation product	View Emerson VCCM8551G410MO page
Emerson VCCM8551G309MO	Related industrial automation product	View Emerson VCCM8551G309MO page
Siemens 6SL3300 1AH32 5BA0	Related industrial automation product	View Siemens 6SL3300 1AH32 5BA0 page
Siemens 6SE7041 8GK85 0LA0	Related industrial automation product	View Siemens 6SE7041 8GK85 0LA0 page
Siemens 6SE7041 8EK85 1MA0	Related industrial automation product	View Siemens 6SE7041 8EK85 1MA0 page
Siemens 6SE7037 0EJ84 1JC2	Related industrial automation product	View Siemens 6SE7037 0EJ84 1JC2 page
Siemens 6SE7036 1EE85 1HA0	Related industrial automation product	View Siemens 6SE7036 1EE85 1HA0 page
Siemens C98043 A1682 L1	Related industrial automation product	View Siemens C98043 A1682 L1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

CNC auxiliary I/O

Adds twenty-four digital input points

Robot-cell signal exchange

Adds sixteen digital output points

Machine interlock expansion

Connects through the FANUC I/O Link system

FANUC I/O replacement

Omits the manual pulse-generator interface

PRODUCT PRECAUTIONS

- 1 Verify the complete A03B-0815-C003 marking and its assigned FANUC I/O Link expansion module system position before work.
- 2 Place the connected cnc auxiliary i o process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.
- 6 Confirm the installed compatible FANUC I/O basic module and flat expansion cable against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended robot-cell signal exchange function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which module type is FANUC A03B-0815-C003?

FANUC identifies A03B-0815-C003 as I/O expansion module B.

Q2 How many inputs are provided by FANUC A03B-0815-C003?

The module provides 24 digital input points.

Q3 How many outputs are provided by FANUC A03B-0815-C003?

The module provides 16 digital output points.

Q4 Does FANUC A03B-0815-C003 include an MPG interface?

No. The exact C003 variant is documented without a manual pulse-generator interface.

Q5 How is FANUC A03B-0815-C003 connected to its basic module?

Expansion modules connect by the documented flat cable, with up to three expansion modules per compatible basic module.

Q6 Which system network carries FANUC A03B-0815-C003 data?

The connection unit exchanges its assigned input and output data through FANUC I/O Link.

Q7 Which environmental limits apply to FANUC A03B-0815-C003?

The manual specifies 0 to 55 degC operation, -20 to 60 degC storage, controlled humidity and no more than 0.5 g vibration.

Q8 How is FANUC A03B-0815-C003 verified after installation?

Confirm flat-cable order and I/O allocation, then exercise all 24 inputs and 16 outputs from the assigned CNC or robot interface.

SOURCE FANUC Series 0i-D / 0i Mate-D Connection Manual (Hardware) | B-64303EN/01

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