

INDUSTRIAL AUTOMATION PRODUCT

A03B-0815-C003

I O Module

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

IDENTITY	VERIFIED VALUE
Manufacturer	FANUC
System family	FANUC I/O Link expansion module system
Part number	A03B-0815-C003

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named FANUC product record.

PARAMETER	TECHNICAL 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
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

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System Role and Architecture

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

FUNCTION 1

Adds twenty-four digital input points

FUNCTION 2

Adds sixteen digital output points

FUNCTION 3

Connects through the FANUC I/O Link system

FUNCTION 4

Omits the manual pulse-generator interface

Matched system components

- compatible FANUC I/O basic module
- flat expansion cable
- FANUC I/O Link master
- documented field terminal unit and wiring

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	compatible FANUC I/O basic module
Companion hardware	flat expansion cable
Field connection	FANUC I/O Link master
Primary system function	Adds twenty-four digital input points
Controlled acceptance duty	CNC auxiliary I O

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Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	A03B-0815-C003 / A03B-0815-C003 recorded
Physical interface	compatible FANUC I/O basic module
Companion check	flat expansion cable
Functional proof	Adds twenty-four digital input points
Application test	CNC auxiliary I O

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Engineering 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.

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MANUFACTURER SOURCE RECORD

FANUC Series Oi-D / Oi Mate-D Connection Manual (Hardware)

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