01 / Product and system dashboard

HONEYWELL

FC-IO-0001 V1.1

I/O bus interface

Product role

Honeywell FC-IO-0001 V1.1 transfers communication between a Safety Manager Control Processor and the I/O modules in the connected chassis.

Control Processor
CN1 connection

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IO-0001
Communication interface

>

I/O chassis
Bus and address selection

Engineering scope

The listed interface and supply values describe IO-0001. Match the offered FC-IO-0001 V1.1 to the installed chassis and revision; the reference data-sheet version is not a separate unit-approval statement.

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
Function	Control Processor to I/O communication	Connector	DIN 41612 type F male; d/b/z rows
Non-redundant chassis	IOCHAS-0001S: 1 module in slot 21	Chassis addressing	CA0–CA3; addresses 1–9
Redundant chassis	IOCHAS-0001R: modules in slots 20 and 21	Supply	5 Vdc
Control Processor connection	CN1	Current	35 mA
Address selection connection	CN3	Supply ripple	Less than 50 mV peak-to-peak
Bus connection	Front flat-cable connection	Coating	FC conformal-coated type

Configuration boundary

Match the complete hardware marking and installed configuration to the applicability stated in this product summary.

03 / Applications and system integration

Non-redundant I/O

Link one Control Processor communication path to the applicable non-redundant I/O chassis.

Redundant I/O

Maintain the paired communication paths in the documented redundant chassis arrangement.

Chassis identification

Preserve the address-selection connection and installed CA0–CA3 configuration.

I/O service recovery

Restore processor-to-I/O communication and verify channel behavior after controlled maintenance.

Functional context

The interface connects to the Control Processor through CN1 and to the horizontal I/O bus through the front flat-cable connection. CN3 provides the chassis-address selection connection. The module uses a DIN 41612 type F male connector with d, b and z rows; the complete connector and cable arrangement must match the installed chassis.

04 / Service and installation decisions

Preserve exact version

Match FC-IO-0001 V1.1, the chassis type and the installed I/O configuration.

Plan shutdown consequences

Assess safety-related I/O before powered removal; replacement can initiate a shutdown.

Retain slot assignments

Use slot 21 for the documented non-redundant arrangement and slots 20/21 for redundancy.

Protect cable orientation

Record and preserve CN1, CN3 and horizontal-bus flat-cable orientation.

Retain chassis address

Verify the existing CA0–CA3 selection and avoid duplicate or incorrect chassis addresses.

Test I/O communication

Confirm the processor communication path and controlled field response before normal service.

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete FC-IO-0001 V1.1 identity. Apter Power availability is confirmed separately in the quotation.

Reference basis

Honeywell Safety Manager Hardware Reference, EP-SM.MAN.6284, Release 162 Issue 1.10.

Apter Power technical summary. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Honeywell F6251

Honeywell FC-USI-0001 V1.3

Honeywell 10302/2/1

Discuss your installed configuration

Send the full unit marking and connection details.

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