

FC-IOCHAS-0001R

Safety Manager I/O Chassis

Honeywell FC-IOCHAS-0001R is a redundant Safety Manager I/O chassis that provides backplane and module positions for safety I/O assemblies.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Safety Manager

PART

FC-IOCHAS-0001R

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PRODUCT OVERVIEW

Honeywell FC-IOCHAS-0001R is a redundant Safety Manager I/O chassis that provides backplane and module positions for safety I/O assemblies.

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Houses Safety Manager I/O modules

2

Supports redundant I/O arrangements

3

Distributes backplane connections

4

Provides keyed module positions

SYSTEM COMPONENTS

Safety Manager controller

Approved I/O modules

Cabinet power distribution

Chassis backplane connectors

TECHNICAL DATA

PARAMETER	VALUE
Chassis type	I/O chassis
Configuration	Redundant
Slot 20 supply	5 Vdc; 35 mA

PARAMETER	VALUE
Slot 21 supply	5 Vdc; 35 mA
Approvals	CE; UL; CSA; TUV; FM

TECHNICAL NOTE

Inspect the backplane, slot keys and redundant power paths before installing I/O modules, then prove both chassis supply paths during startup.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

SIL-rated shutdown cabinets

Houses Safety Manager I/O modules

Burner management I/O

Supports redundant I/O arrangements

Fire and gas safety panels

Distributes backplane connections

Process emergency shutdown systems

Provides keyed module positions

PRODUCT PRECAUTIONS

- 1 Verify the complete FC-IOCHAS-0001R marking and its assigned Safety Manager position before work.
- 2 Isolate the applicable power and field energy before disconnecting FC-IOCHAS-0001R.
- 3 Protect FC-IOCHAS-0001R connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Safety Manager controller and Approved I/O modules to the documented system arrangement.
- 6 Commission FC-IOCHAS-0001R with controlled status, signal and diagnostic checks.
- 7 Retain the final sil-rated shutdown cabinets functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does FC-IOCHAS-0001R match Safety Manager controller in a SIL-rated shutdown cabinets installation?

Verify the complete FC-IOCHAS-0001R marking, the documented Safety Manager position and the installed Safety Manager controller before fitting the assembly.

Q2 How should FC-IOCHAS-0001R be wired when it must houses safety manager i/o modules?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for FC-IOCHAS-0001R; then continuity-test the affected path.

Q3 Which Safety Manager records should be captured before removing FC-IOCHAS-0001R?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with FC-IOCHAS-0001R before disconnection.

Q4 What controlled test confirms that FC-IOCHAS-0001R can supports redundant i/o arrangements?

Apply the approved field or simulated stimulus, observe the Safety Manager indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Approved I/O modules condition should be checked when FC-IOCHAS-0001R reports an abnormal state?

Check the Approved I/O modules supply, seating and connection first, then compare channel diagnostics with the recorded FC-IOCHAS-0001R baseline.

Q6 Can FC-IOCHAS-0001R be moved directly into Burner management I/O without validating Chassis backplane connectors?

No. Confirm the Chassis backplane connectors, revision, connection scheme and Safety Manager configuration before transferring FC-IOCHAS-0001R to that duty.

Q7 What maintenance evidence is required after FC-IOCHAS-0001R is used for Fire and gas safety panels?

Retain the nameplate record, corrective action, final diagnostics and a controlled fire and gas safety panels functional-test result for FC-IOCHAS-0001R.

Q8 How should FC-IOCHAS-0001R be returned to service in Process emergency shutdown systems?

Restore power under control, verify distributes backplane connections, exercise the intended signal path and release FC-IOCHAS-0001R only after the Safety Manager remains in its approved operating state.

SOURCE Honeywell Safety Manager Hardware Reference | EP-SM.MAN.6284 R162

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