

INDUSTRIAL AUTOMATION PRODUCT

FC-USI-0001 V1.0

Universal Safety Interface Module

Honeywell FC-USI-0001 V1.0 is a Universal Safety Interface module for Safety Manager communication and interface functions.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Safety Manager
Part number	FC-USI-0001 V1.0
Country	USA
HS code	8537101190

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2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Module model	FC-USI-0001
Hardware revision	V1.0
Replacement module	FX-USI-0002
Replacement baseline	Safety Manager R140.1 or later
Replacement compatibility	Pin and function compatible

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3

System Role and Architecture

Honeywell FC-USI-0001 V1.0 is a Universal Safety Interface module for Safety Manager communication and interface functions.

FUNCTION 1

Provides the Safety Manager universal interface

FUNCTION 2

Connects approved safety-system communication hardware

FUNCTION 3

Supports controlled online replacement

FUNCTION 4

Maps the interface into the safety configuration

Matched system components

- Safety Manager controller
- Approved interface cable
- Configured communication channel
- Safety Manager R140.1 or later for FX replacement

4

Applications and Engineering Context

Safety-system serial interfaces

Provides the Safety Manager universal interface

Legacy USI maintenance

Connects approved safety-system communication hardware

Controller communication cabinets

Supports controlled online replacement

Planned FX-USI migration

Maps the interface into the safety configuration

TECHNICAL NOTE

Back up the interface configuration, record port assignments and confirm the system release before replacing FC-USI-0001 V1.0 with FX-USI-0002.

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5

Engineering Precautions

1

Verify the complete FC-USI-0001 V1.0 marking and its assigned Safety Manager position before work.

2

Isolate the applicable power and field energy before disconnecting FC-USI-0001 V1.0.

3

Protect FC-USI-0001 V1.0 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 interface cable to the documented system arrangement.

6

Commission FC-USI-0001 V1.0 with controlled status, signal and diagnostic checks.

7

Retain the final safety-system serial interfaces functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell Safety Manager Hardware Reference and System HINTS

EP-SM.MAN.6284; R140.1 replacement note

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