

INDUSTRIAL AUTOMATION PRODUCT

10024/I/F

Conformally Coated Enhanced Communication Module

Honeywell 10024/I/F is a conformally coated enhanced FSC communication module. It provides one RS-422/485 interface and one RS-232 interface for configured serial links.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Fail Safe Controller
Part number	10024/I/F
Country	USA
HS code	8537101190

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10024/I/F

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Serial interface 1	RS-422/485
Serial interface 2	RS-232
Board coating	Conformal
Node family	FSC

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System Role and Architecture

Honeywell 10024/I/F is a conformally coated enhanced FSC communication module. It provides one RS-422/485 interface and one RS-232 interface for configured serial links.

FUNCTION 1

Provides an isolated multidrop serial path

FUNCTION 2

Provides a point-to-point serial path

FUNCTION 3

Interfaces external serial equipment to FSC

FUNCTION 4

Uses conformally coated communication hardware

Matched system components

- FSC central part
- RS-422/485 cable
- RS-232 cable
- Configured external serial devices

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Applications and Engineering Context

Safety PLC serial gateways

Provides an isolated multidrop serial path

Package-unit communication

Provides a point-to-point serial path

FSC maintenance terminals

Interfaces external serial equipment to FSC

Legacy serial protocol integration

Uses conformally coated communication hardware

TECHNICAL NOTE

Record port parameters and device addresses, preserve shield and termination rules, and test receive/transmit operation on each interface separately.

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Engineering Precautions

1

Verify the complete 10024/I/F marking and the assigned Fail Safe Controller position before field work.

2

Isolate the applicable power, network and field energy before disconnecting 10024/I/F.

3

Use ESD controls and protect the keyed connectors of 10024/I/F during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm FSC central part and RS-422/485 cable against the approved system configuration.

6

Restore 10024/I/F under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for safety plc serial gateways before production release.

MANUFACTURER SOURCE RECORD

Honeywell System HINTS September 2022

FSC node parts list

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