

INDUSTRIAL AUTOMATION PRODUCT

DC-TFB402

Coated Non-Redundant FIM4 IOTA

Honeywell DC-TFB402 is a coated non-redundant FIM4 IOTA. It provides the physical termination path between a Fieldbus Interface Module and installed fieldbus segments.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion PKS Fieldbus Interface
Part number	51307616-176
Country	USA
HS code	8537101190

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DC-TFB402

2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
IOTA configuration	Non-redundant
Interface family	FIM4
Board coating	Conformal

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3

System Role and Architecture

Honeywell DC-TFB402 is a coated non-redundant FIM4 IOTA. It provides the physical termination path between a Fieldbus Interface Module and installed fieldbus segments.

FUNCTION 1

Terminates a non-redundant FIM4 interface

FUNCTION 2

Connects fieldbus segments to the interface module

FUNCTION 3

Provides coated field and system connections

FUNCTION 4

Supports Experion fieldbus integration

Matched system components

- FIM4 interface module
- Experion controller network
- Foundation Fieldbus segment wiring
- Fieldbus power and terminators

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4

Applications and Engineering Context

Foundation Fieldbus segment integration

Terminates a non-redundant FIM4 interface

Process-device communication

Connects fieldbus segments to the interface module

Fieldbus cabinet maintenance

Provides coated field and system connections

Non-redundant FIM4 replacement

Supports Experion fieldbus integration

TECHNICAL NOTE

Record segment addresses and power-condition status, isolate the affected trunk, and verify terminators and device communication after installation.

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5 Engineering Precautions

- 1 Verify the complete DC-TFB402 marking and the assigned Experion PKS Fieldbus Interface position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting DC-TFB402.
- 3 Use ESD controls and protect the keyed connectors of DC-TFB402 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm FIM4 interface module and Experion controller network against the approved system configuration.
- 6 Restore DC-TFB402 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for foundation fieldbus segment integration before production release.

MANUFACTURER SOURCE RECORD

Honeywell Control Builder Components Reference

DC-TFB402 / FIM4 NR IOTA

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