

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.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion PKS Fieldbus Interface

PART

51307616-176

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



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PRODUCT OVERVIEW

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.

1

Terminates a non-redundant FIM4 interface

2

Connects fieldbus segments to the interface module

3

Provides coated field and system connections

4

Supports Experion fieldbus integration

SYSTEM COMPONENTS

FIM4 interface module

Experion controller network

Foundation Fieldbus segment wiring

Fieldbus power and terminators

TECHNICAL DATA

PARAMETER	VALUE
IOTA configuration	Non-redundant
Interface family	FIM4

PARAMETER	VALUE
Board coating	Conformal

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TECHNICAL NOTE

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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.

ENGINEER FAQ

Q1 Which FIM4 interface module identity must be verified before fitting the DC-TFB402 Coated Non-Redundant FIM4 IOTA?

Match the complete DC-TFB402 marking, assigned Experion PKS Fieldbus Interface position and installed FIM4 interface module before work.

Q2 How should Experion controller network be isolated before disconnecting the DC-TFB402 Coated Non-Redundant FIM4 IOTA?

Place the affected process in its approved maintenance state, isolate applicable energy and prove Experion controller network safe before disconnection.

Q3 What as-found wiring record is required for the DC-TFB402 Coated Non-Redundant FIM4 IOTA in Foundation Fieldbus segment integration?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for DC-TFB402.

Q4 Which Experion PKS Fieldbus Interface configuration must be checked when commissioning the DC-TFB402 Coated Non-Redundant FIM4 IOTA?

Verify the assigned channel, slot, node or interface and compare it with the approved Experion PKS Fieldbus Interface configuration before enabling DC-TFB402.

Q5 How can the DC-TFB402 Coated Non-Redundant FIM4 IOTA be function-tested for Process-device communication without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the DC-TFB402 Coated Non-Redundant FIM4 IOTA stops performing its assigned system function?

Check seating, the matched FIM4 interface module, the condition of Experion controller network and the model-specific diagnostics before replacing more hardware.

Q7 Can the DC-TFB402 Coated Non-Redundant FIM4 IOTA used for Fieldbus cabinet maintenance be transferred to another Experion PKS Fieldbus Interface position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Experion PKS Fieldbus Interface configuration before transferring DC-TFB402 to a different duty.

Q8 What evidence should be retained after the DC-TFB402 Coated Non-Redundant FIM4 IOTA returns to Non-redundant FIM4 replacement service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for DC-TFB402.

SOURCE Honeywell Control Builder Components Reference | DC-TFB402 / FIM4 NR IOTA

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