

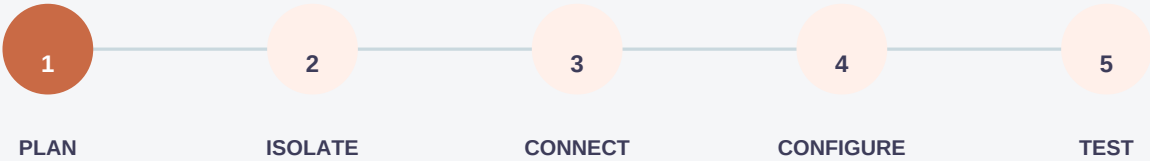
DC-TFB412 51307618-176

DC-TFB412 Redundant Fieldbus IOTA

CONTROLLED ENGINEERING COPY

Honeywell DC-TFB412 51307618-176 is a redundant Series C Fieldbus Interface Module IOTA. It supports the documented non-redundant FIM position, H1 fieldbus power and redundant FTE connections used by the Series C FIM solution.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	DC-TFB412 51307618-176
Manufacturer	Honeywell
System family	Experion PKS Series C Fieldbus Interface
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm DC-TFB412 and item number 51307618-176 on the IOTA record.
- 2

Place the controller, FIM and all affected H1 loops in the approved maintenance state.
- 3

Record FTE paths, H1 links, device schedule, power conditioning and terminators.
- 4

Apply the documented ESD and electrical precautions before service.
- 5

Verify FIM position, yellow and green FTE connections and grounding.

MATCHED HARDWARE

- Honeywell DC-TFB412 51307618-176 with exact visible identity
- Matched Experion PKS Series C Fieldbus Interface host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	DC-TFB412 51307618-176 recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms termination and fieldbus-power interfacing for a Series C Fieldbus Interface Module

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Redundant Fieldbus Interface Module IOTA
IOTA model	DC-TFB412
Manufacturer item number	51307618-176
System	Experion PKS Series C FIM
Mounted module arrangement	Non-redundant FIM in the documented upper slot
Fieldbus	FOUNDATION Fieldbus H1
Fieldbus power	User-supplied power and conditioning for each H1 link
Supported H1 current	Up to 350 mA for the documented non-intrinsically-safe arrangement
Device capacity	Up to 16 mounted devices on a documented H1 link
FTE connections	Redundant yellow and green paths
Grounding	Documented solid-copper grounding conductor
Service	Removal and insertion under power only with prescribed electrical precautions
ESD control	Required

RELATED PRODUCT PAGES

1General Electric IS200STCIH2AED

2General Electric IS210AEBIH3B

3General Electric IS215AEPCH2F

4General Electric IS215WEPAH2B

5General Electric IC693MDL741C

6General Electric DS200TCEAG1BSF

7General Electric 8811-IO-DC

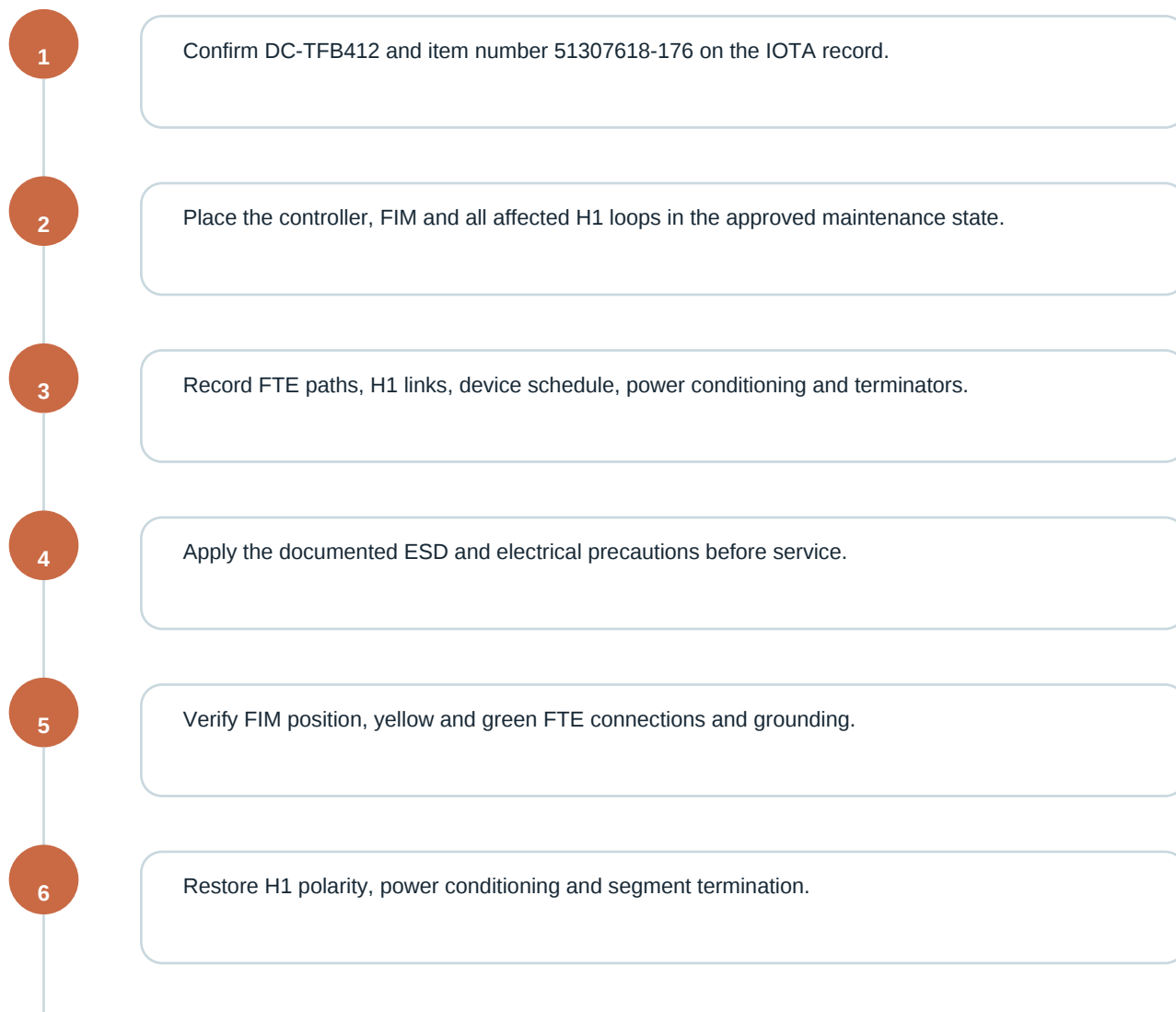
8General Electric DS200DCFBG1BNC

9General Electric 151X1225DF01PC03RA

FIELD NOTE

Confirm DC-TFB412 51307618-176, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	DC-TFB412 51307618-176
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms termination and fieldbus-power interfacing for a Series C Fieldbus Interface Module

04 RETURN-TO-SERVICE RECORD

- ☐ Verify FIM position, yellow and green FTE connections and grounding.
- ☐ Restore H1 polarity, power conditioning and segment termination.
- ☐ Review FIM, FTE and fieldbus-device diagnostics.
- ☐ Verify communication with every scheduled H1 device before release.

VERIFICATION RECORD

PRODUCT IDENTITY	DC-TFB412 51307618-176
INSTALLED POSITION	Documented Experion PKS Series C Fieldbus Interface position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify FIM position, yellow and green FTE connections and grounding.
- ☐ Restore H1 polarity, power conditioning and segment termination.
- ☐ Review FIM, FTE and fieldbus-device diagnostics.
- ☐ Verify communication with every scheduled H1 device before release.

SOURCE IDENTIFIERS

Honeywell Series C Fieldbus Interface Module User's Guide EPDOC-X125 | Official Honeywell manufacturer publication