

DC-TFB412

Redundant Series C Fieldbus Interface IOTA

CONTROLLED ENGINEERING COPY

Record the primary and secondary FIM positions and fieldbus trunk assignment before removal; verify pair synchronization and segment communication after restoration.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	DC-TFB412
Part number	51307618-176
Hardware type	Fieldbus interface IOTA
System family	Experion Series C Fieldbus Interface



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DC-TFB412

01 PRE-INSTALLATION PLAN

- 1

Verify the complete DC-TFB412 marking and its assigned Experion Series C Fieldbus Interface position before work.
- 2

Isolate the energy associated with Series C carrier before disconnecting DC-TFB412.
- 3

Protect the DC-TFB412 connectors and electronic assembly using approved ESD controls.
- 4

Record the as-found Primary FIM connections and configured assignment before replacement.
- 5

Confirm Secondary FIM matches the approved installation record for DC-TFB412.

MATCHED HARDWARE

- Series C carrier
- Primary FIM
- Secondary FIM
- Fieldbus trunk connection

PRE-ENERGIZATION REDUNDANCY RECORD

RECORD ITEM	REQUIRED ENTRY
Pair identity	Primary and secondary FIM positions recorded
Module seating	Both FIM modules fully seated in assigned positions
Trunk identity	Fieldbus trunk tag matches the installed record
Redundancy state	Primary/secondary pair reaches the expected state

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Hardware type	Fieldbus interface IOTA
Redundancy	Primary; secondary
Platform	Experion Series C

FIM PAIR AND TRUNK CHECK

CONNECTION POINT	REQUIRED IDENTITY
Primary position	Primary Fieldbus Interface Module
Secondary position	Secondary Fieldbus Interface Module
Shared termination	DC-TFB412 redundant FIM IOTA

FIELD NOTE

Record the primary and secondary FIM positions and fieldbus trunk assignment before removal; verify pair synchronization and segment communication after restoration.

03 COMMISSIONING WORKFLOW

1

Confirm DC-TFB412 and part number 51307618-176 against the installed record.

2

Verify the physical connection to Series C carrier.

3

Apply the documented technical values for hardware type.

4

Exercise the function: provides the field connection for redundant fim modules.

5

Run a controlled test for redundant fieldbus segment control.

6

Record the final state, diagnostics and operator acceptance before release.

04 RETURN-TO-SERVICE RECORD

- ☐ Restore DC-TFB412 under controlled conditions and review its model-specific diagnostics.
- ☐ Complete a documented functional test for redundant fieldbus segment control before release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
DC-TCF901	Series C Mark II Control Firewall IOTA	Open product page
CC-MCAR01	Experion Series C carrier assembly	Open product page
CC-GDIL01	Series C galvanic digital-input IOTA	Open product page
8C-TDIL11	Redundant Series 8 SOE IOTA	Open product page

SOURCE IDENTIFIERS

Honeywell Series C Fieldbus Interface Module User Guide
EPDOC-X125

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