

MODEL-SPECIFIC TECHNICAL REFERENCE

Honeywell DC-TFB412 51307618-176 C300 Fieldbus Interface IOTA

DC-TFB412 51307618-176 is a Honeywell C300 four-link redundant Fieldbus Interface IOTA. It provides the terminal and interconnection assembly used by the compatible FIM hardware in an Experion control cabinet.

Manufacturer Honeywell	Product family Experion C300	Configuration DC-TFB412 51307618-176
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Officially documented configuration

Model	DC-TFB412
PWA number	51307618-176
System family	Experion C300
Assembly type	Fieldbus Interface IOTA
Fieldbus link count	4
Architecture	Redundant FIM interface
Network technology	FOUNDATION Fieldbus H1
Primary function	Terminal and interconnection assembly
Module pairing	Compatible Honeywell Fieldbus Interface Module
Installation scope	C300 cabinet carrier and link wiring
Measured warehouse weight	0.36 kg
Measured warehouse dimensions	26.8 x 12 x 5.5 cm

INSTALLATION AND PROCUREMENT REFERENCE

DC-TFB412 51307618-176 application guidance

Honeywell DC-TFB412 51307618-176 is the four-link redundant Fieldbus Interface input/output terminal assembly identified by the complete PWA number. It belongs to the Experion C300 fieldbus interface hardware set.

The IOTA provides the mounted terminal, power, and interconnection structure through which a compatible Fieldbus Interface Module serves four FOUNDATION Fieldbus H1 links. Redundant architecture depends on the paired FIM arrangement, carrier, power conditioners, link wiring, and Experion configuration.

Before replacement, confirm the -176 PWA revision, redundant versus nonredundant design, FIM catalog number, carrier position, link power, shield/ground plan, and terminal labels. De-energize all link and cabinet supplies and preserve each trunk connection exactly.

High-risk technical note

For DC-TFB412 51307618-176, isolate all four H1 links and cabinet power, then verify redundancy, FIM pairing, link power conditioning, shield grounding, and terminal identity.

Manufacturer source record

- Honeywell Experion C300 Fieldbus Interface Module and IOTA documentation



Request a quotation for DC-TFB412 51307618-176

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Please include the complete nameplate, quantity, destination, and required delivery date.

Prepared from the manufacturer references listed above. Verify the latest manufacturer revision and the complete installed configuration before replacement or commissioning.