

CC-PCF901

Nine-Port Control Firewall Module

Experion Fault Tolerant Ethernet control-network traffic

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion C300 control network

PART

CC-PCF901

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PRODUCT OVERVIEW

Experion Fault Tolerant Ethernet control-network traffic

1

Provides nine control-network ports

2

Pairs with the CC-TCF901 firewall IOTA

3

Occupies the UHIO/C300 control-network position

4

Supports controlled FTE path diagnostics

SYSTEM COMPONENTS

CC-TCF901 IOTA

C300 controller

FTE network switches and cables

Experion topology and node record

TECHNICAL NOTE

Verify the CC-TCF901 IOTA, port labels, FTE A/B paths, cable routing, controller pairing and approved firmware record before returning the node to service.

TECHNICAL DATA

PARAMETER	VALUE
Module role	Control Firewall
Network ports	9
IOTA	CC-TCF901

PARAMETER	VALUE
Supply	24 V DC
Current	0.150 A
Heat dissipation	3.750 W

ENGINEERING NOTE

Verify the CC-TCF901 IOTA, port labels, FTE A/B paths, cable routing, controller pairing and approved firmware record before returning the node to service.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
CC-TUIO31	Related industrial automation product	View CC-TUIO31 page
10311-2-1	Related industrial automation product	View 10311-2-1 page
51202343-001	Related industrial automation product	View 51202343-001 page
CC-PAIM01	Related industrial automation product	View CC-PAIM01 page
51202330-200	Related industrial automation product	View 51202330-200 page
51198947-100	Related industrial automation product	View 51198947-100 page
10012-1-2	Related industrial automation product	View 10012-1-2 page
10005-1-1	Related industrial automation product	View 10005-1-1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C300 FTE cabinet connection

Provides nine control-network ports

Redundant controller network service

Pairs with the CC-TCF901 firewall IOTA

Control-network migration

Occupies the UHIO/C300 control-network position

Firewall-module replacement

Supports controlled FTE path diagnostics

PRODUCT PRECAUTIONS

- 1 Verify the complete CC-PCF901 marking and its assigned nine-port Control Firewall position before work.
- 2 Place the connected process and control strategy in the approved maintenance state.
- 3 Isolate the applicable cabinet supply and network field energy before disconnecting conductors.
- 4 Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5 Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.
- 6 Confirm the installed CC-TCF901 IOTA and carrier arrangement against the approved project.
- 7 Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- 8 Complete FTE path, link-status and controller communication checks and retain the measured result before returning the channel to automatic service.

ENGINEER FAQ

Q1 Does CC-PCF901 match CC-TCF901 IOTA in a C300 FTE cabinet connection installation?

Verify the complete CC-PCF901 marking, the documented Experion C300 control network position and the installed CC-TCF901 IOTA before fitting the assembly.

Q2 How should CC-PCF901 be wired when it must provides nine control-network ports?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-PCF901; then continuity-test the affected path.

Q3 Which Experion C300 control network records should be captured before removing CC-PCF901?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-PCF901 before disconnection.

Q4 What controlled test confirms that CC-PCF901 can pairs with the cc-tcf901 firewall iota?

Apply the approved field or simulated stimulus, observe the Experion C300 control network indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which C300 controller condition should be checked when CC-PCF901 reports an abnormal state?

Check the C300 controller supply, seating and connection first, then compare channel diagnostics with the recorded CC-PCF901 baseline.

Q6 Can CC-PCF901 be moved directly into Redundant controller network service without validating Experion topology and node record?

No. Confirm the Experion topology and node record, revision, connection scheme and Experion C300 control network configuration before transferring CC-PCF901 to that duty.

Q7 What maintenance evidence is required after CC-PCF901 is used for Control-network migration?

Retain the nameplate record, corrective action, final diagnostics and a controlled control-network migration functional-test result for CC-PCF901.

Q8 How should CC-PCF901 be returned to service in Firewall-module replacement?

Restore power under control, verify occupies the uhio/c300 control-network position, exercise the intended signal path and release CC-PCF901 only after the Experion C300 control network remains in its approved operating state.