

DC-TCF901 51307593-176

DC-TCF901 Control Firewall IOTA

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PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Experion PKS Control Firewall

PART
DC-TCF901 51307593-176

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

Honeywell DC-TCF901 51307593-176 provides termination, power distribution and FTE connection for a Series C Control Firewall in a documented Experion PKS Control Firewall installation.

-  Eight in-cabinet FTE downlinks
-  One supervisory FTE uplink
-  24 VDC distribution
-  Coated Series C Mark II IOTA

RELATED APTER POWER PAGES		
 ABB SPA-ZC-402	 ABB DSQC346G	 ABB DSTD110A
 ABB 3BHE022294R0101-GFD233-A101	 ABB DSQC332	 ABB 3BHE022293R0101-PCD232A
 ABB 3HAC5954-1	 ABB 3HAC043569-004	 ABB PM590-ETH-1SAP150000R0271

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, field connections and approved engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product type	Control Firewall IOTA	Total FTE connections	9
IOTA model	DC-TCF901	Power distribution	24 V DC
Manufacturer item number	51307593-176	PWB execution	Coated
Series	Series C Mark II	Fiber module options	CC-FSMX01 and CC-FMMX01 where
Mounted module	CC-PCF901 Control Firewall	Network role	Control Firewall FTE segment termination
FTE downlinks	8 in-cabinet ports	Commissioning scope	Port mapping, power, redundancy, fiber/copper
Supervisory uplink	1 port		

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4 ABB 3BHE022294R0101-GFD233-A101	5 ABB DSQC332	6 ABB 3BHE022293R0101-PCD232A
7 ABB 3HAC5954-1	8 ABB 3HAC043569-004	9 ABB PM590-ETH-1SAP150000R0271

TECHNICAL NOTE

Install DC-TCF901 51307593-176 only in the documented Experion PKS Control Firewall position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and termination, power distribution and FTE connection for a Series C Control Firewall before release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C300 control-network firewall

Terminates the installed Control Firewall in a Series C cabinet.

FTE cabinet segmentation

Provides approved downlinks and supervisory uplink connectivity.

Copper or fiber network path

Supports the documented media modules and cabling architecture.

Control Firewall replacement

Restores port mapping, power distribution and FTE diagnostics.

PRODUCT PRECAUTIONS

1

Confirm DC-TCF901 and item number 51307593-176 on the IOTA record.

2

Place the C300 and affected FTE paths in the approved maintenance state.

3

Record all eight downlinks, the supervisory uplink and installed media modules.

4

Isolate 24 VDC and network paths using the documented Control Firewall procedure.

5

Verify CC-PCF901 seating and every copper or fiber connection.

6

Restore power distribution, FTE cabling and configured topology.

7

Review port, link, redundancy and Control Firewall diagnostics.

8

Confirm supervised communication through every required path before release.

RELATED APTER POWER PAGES

1

ABB SPA-ZC-402

2

ABB DSQC346G

3

ABB DSTD110A

4

ABB
3BHE022294R0101-GFD233-A101

5

ABB DSQC332

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ABB 3BHE022293R0101-PCD232A

7

ABB 3HAC5954-1

8

ABB 3HAC043569-004

9

ABB PM590-ETH-1SAP150000R0271

ENGINEER FAQ

Q1 Which module mounts on DC-TCF901 51307593-176?

The documented module is the CC-PCF901 Control Firewall.

Q2 How many in-cabinet FTE downlinks does DC-TCF901 51307593-176 provide?

It provides eight in-cabinet FTE downlinks.

Q3 How many supervisory uplinks does DC-TCF901 51307593-176 provide?

It provides one supervisory uplink.

Q4 What is the total documented FTE connection count for DC-TCF901 51307593-176?

The IOTA provides nine documented FTE connections.

Q5 Which power distribution is provided by DC-TCF901 51307593-176?

It provides the documented 24 V DC distribution for the Control Firewall.

Q6 Which fiber modules may be used with DC-TCF901 51307593-176?

CC-FSMX01 and CC-FMMX01 are documented where the selected topology requires them.

Q7 Why must the port map be recorded before replacing DC-TCF901 51307593-176?

Each downlink and uplink must return to its approved FTE path.

Q8 Which acceptance evidence is required for DC-TCF901 51307593-176?

Confirm power, port links, redundancy, diagnostics and supervised communication through every required path.

RELATED APTER POWER PAGES

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|-----------------------------------|----------------------|---------------------------------|
| 1 ABB SPA-ZC-402 | 2 ABB DSQC346G | 3 ABB DSTD110A |
| 4 ABB 3BHE022294R0101-GFD233-A101 | 5 ABB DSQC332 | 6 ABB 3BHE022293R0101-PCD232A |
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SOURCE Honeywell Control Firewall User's Guide EDOC-XX20 and Series C hardware guidance | Official Honeywell manufacturer publication

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