

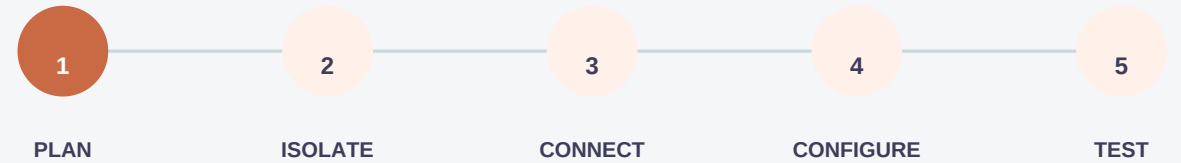
CC-PDIL01 51405040-176

CC-PDIL01 24 VDC Discrete Input Module

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Honeywell CC-PDIL01 51405040-176 is a 32-channel Series C 24 VDC discrete input module. It supports galvanic isolation, optional redundancy, open-wire diagnostics and internal or external field excitation with the documented IOTA.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-PDIL01 51405040-176
Manufacturer	Honeywell
System family	Experion PKS Series C I/O
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm CC-PDIL01 and item number 51405040-176 on the module record.
- 2

Place all thirty-two input loops in the approved maintenance state.
- 3

Record channel assignments, normal states, excitation source and redundancy status.
- 4

Isolate Series C and field power before disconnection.
- 5

Verify the installed IOTA and all field-loop polarity.

MATCHED HARDWARE

- Honeywell CC-PDIL01 51405040-176 with exact visible identity
- Matched Experion PKS Series C I/O host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CC-PDIL01 51405040-176 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 acquisition and supervision of thirty-two 24 VDC discrete inputs

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	24 VDC discrete input module
Module model	CC-PDIL01
Manufacturer item number	51405040-176
I/O family	Experion PKS Series C I/O
Channels	32 discrete inputs
Field voltage	18-30 V DC
ON state	At least 13 V or 3 mA
OFF state	No more than 5 V or 1.2 mA
Input impedance	4.2 kohm
Input delay	5 ms +/-20%
Field resistance ON	No more than 300 ohm at 15 V
Field resistance OFF	At least 30 kohm at 30 V
Isolation	1500 V AC RMS or +/-1500 V DC, optical

RELATED PRODUCT PAGES

1Siemens 6SL3300-1AH32-5BA0

2Siemens 6SE7031-7HG84-1JC1

3Siemens 6SE7031-7HG84-1JC2

4Siemens 6SE7090-0XX84-1CE0

5Siemens 6SE7035-1EJ84-1JC2

6Siemens 6SE7041-8EK85-0LA0

7Siemens 6SL3120-2TE21-8AD0

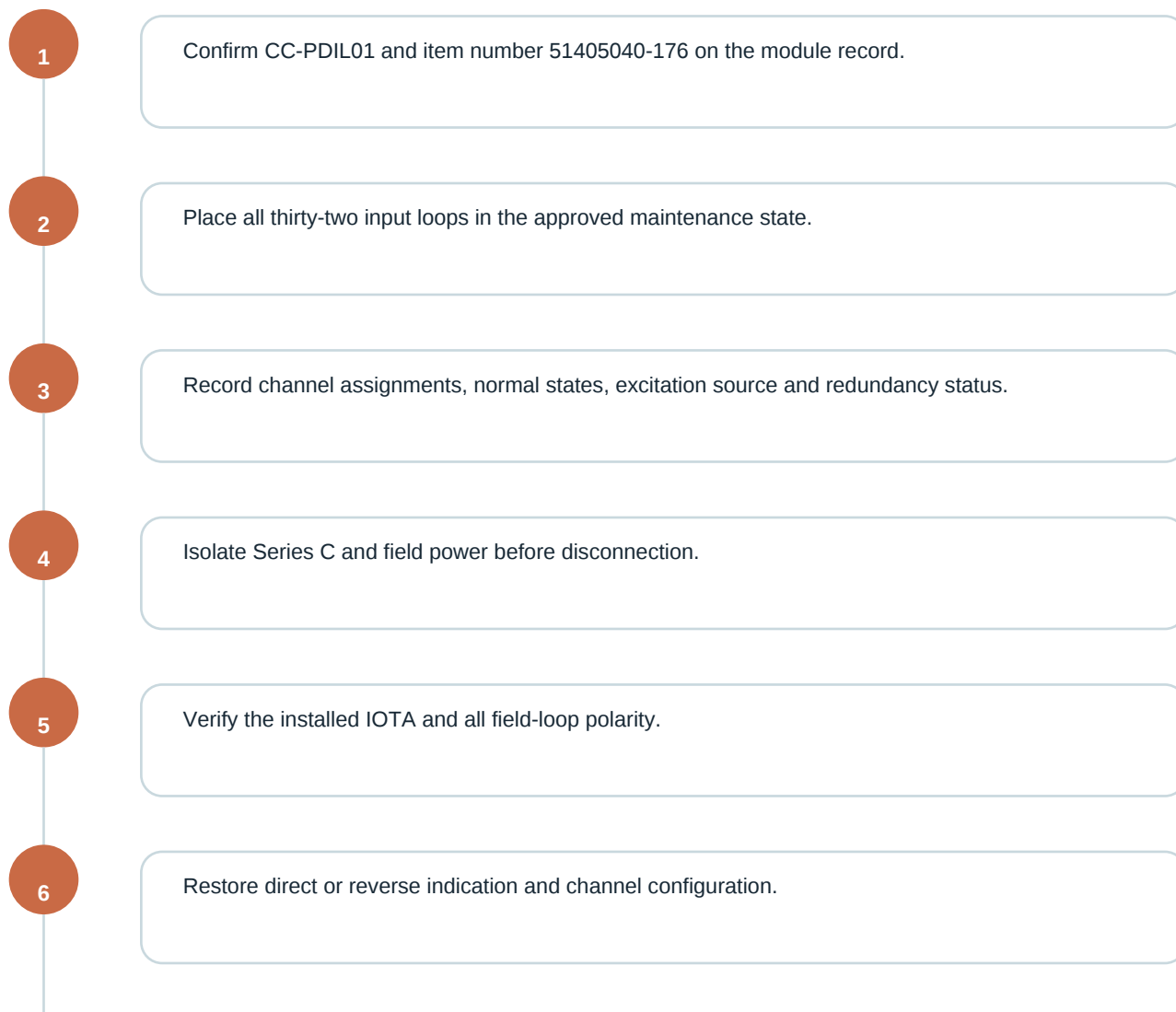
8Siemens 6SL3985-6TM00-0AA0

9Siemens 6SL3200-0SP06-0AA0

FIELD NOTE

Confirm CC-PDIL01 51405040-176, 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	CC-PDIL01 51405040-176
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 acquisition and supervision of thirty-two 24 VDC discrete inputs

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the installed IOTA and all field-loop polarity.
- ☐ Restore direct or reverse indication and channel configuration.
- ☐ Review open-wire, module and channel diagnostics.
- ☐ Exercise every assigned contact and verify the configured state before release.

VERIFICATION RECORD

PRODUCT IDENTITY	CC-PDIL01 51405040-176
INSTALLED POSITION	Documented Experion PKS Series C I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the installed IOTA and all field-loop polarity.
- ☐ Restore direct or reverse indication and channel configuration.
- ☐ Review open-wire, module and channel diagnostics.
- ☐ Exercise every assigned contact and verify the configured state before release.

SOURCE IDENTIFIERS

Honeywell Series C I/O Specification EP03-490-520, Version 1.5 | Official Honeywell manufacturer publication