

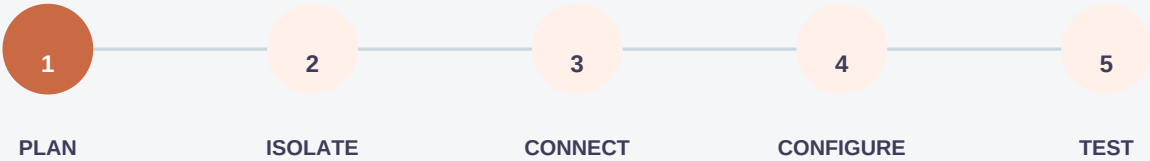
8C-TDILA1 51307141-175

8C-TDILA1 24 VDC Digital Input IOTA

CONTROLLED ENGINEERING COPY

Honeywell 8C-TDILA1 51307141-175 is the 8C-TDILA1 24 VDC Digital Input IOTA used for field termination for thirty-two 24 VDC discrete input channels in a documented Honeywell Experion Series 8 I/O installation. Confirm the complete identity and installed system configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	8C-TDILA1 51307141-175
Manufacturer	Honeywell
System family	Honeywell Experion Series 8 I/O
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 8C-TDILA1 51307141-175 identity on the hardware and maintenance record.
- 2

Place the affected Honeywell Experion Series 8 I/O process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.
- 5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

MATCHED HARDWARE

- Honeywell 8C-TDILA1 51307141-175 with exact visible identity
- Matched Honeywell Experion Series 8 I/O host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	8C-TDILA1 51307141-175 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 field termination for thirty-two 24 VDC discrete input channels

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	24 VDC Digital Input I/O Termination Assembly
IOTA model	8C-TDILA1
Manufacturer item number	51307141-175
Channels	32
Voltage class	24 VDC
Field supply range	18-30 VDC
Execution	Coated
Redundancy form	Non-redundant A1 IOTA
Isolation	System-to-field isolation implemented in the matched IOM

RELATED PRODUCT PAGES

1 Honeywell 8C-PAOH51 51454355-175

2 Honeywell 8C-TAIMA1 51307171-175

3 Honeywell 8C-TAOXA1 51307135-175

4 Honeywell 51401496-100

5 Honeywell 51401642-150

6 Honeywell 621-2200RC

7 Honeywell MC-PAOX03 51309152-175

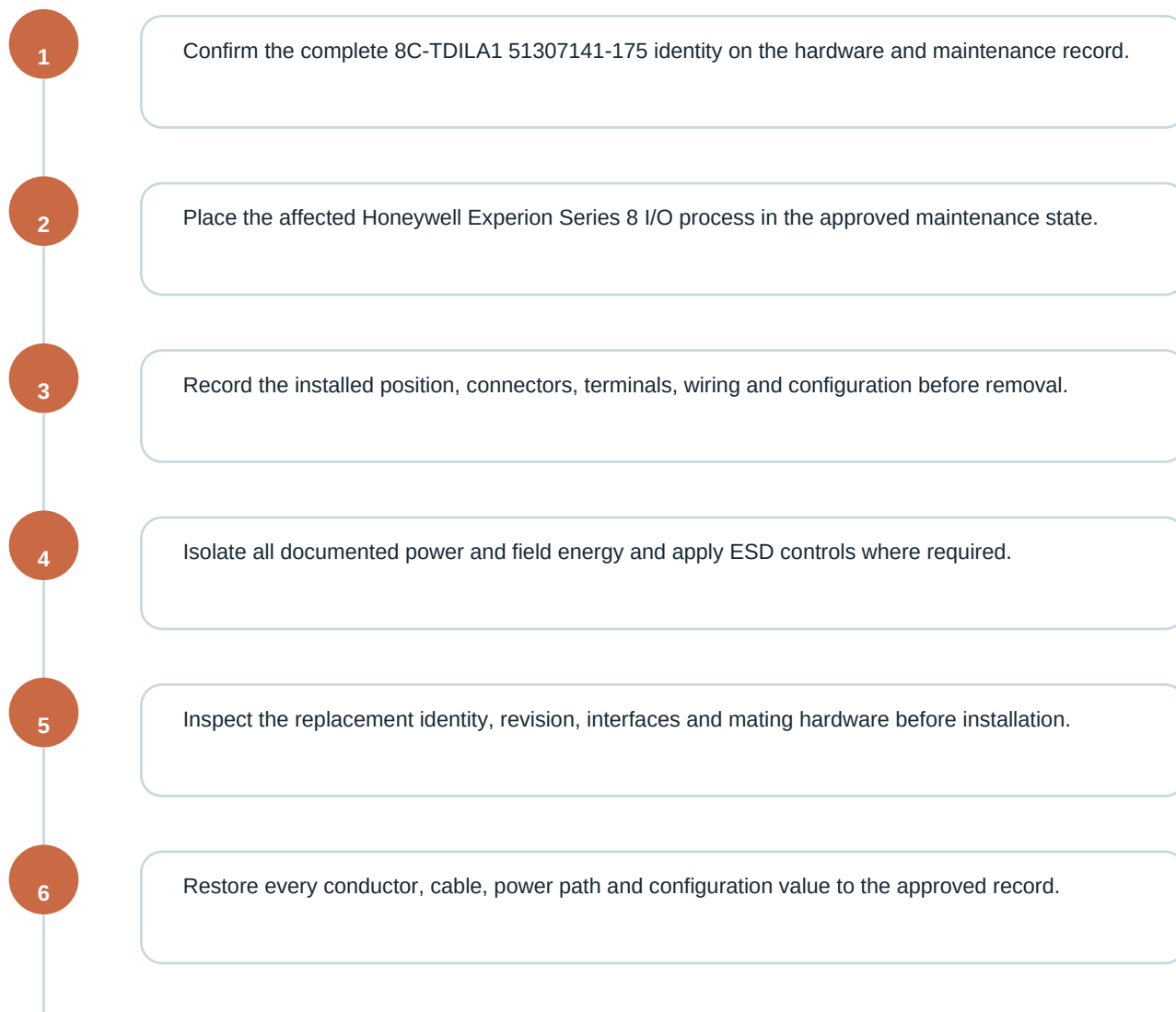
8 Honeywell MC-TAIH12 51304337-150

9 Honeywell MC-TAOX12 51304335-175

FIELD NOTE

Confirm 8C-TDILA1 51307141-175 and the installed system before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	8C-TDILA1 51307141-175
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 field termination for thirty-two 24 VDC discrete input channels

04 RETURN-TO-SERVICE RECORD

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves field termination for thirty-two 24 VDC discrete input channels before release.

VERIFICATION RECORD

PRODUCT IDENTITY	8C-TDILA1 51307141-175
INSTALLED POSITION	Documented Honeywell Experion Series 8 I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves field termination for thirty-two 24 VDC discrete input channels before release.

SOURCE IDENTIFIERS

Honeywell Experion Series 8 I/O Specification | Honeywell manufacturer publication