

Installation Identity and Scope

Honeywell 8C-TAIX61 is the coated redundant IOTA for the sixteen-channel Series 8 analog input module. It terminates 4-20 mA signals from 2-wire or self-powered transmitters and provides the documented redundant path for 8C-PAIN01.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	8C-TAIX61
Manufacturer	Honeywell
Hardware type	Redundant AI IOTA
System family	Series 8 I/O
Official source	PC03-490-100, Release 100, October 2011, section 2.2 Analog Input

CONTROLLED ENGINEERING COPY

Use 8C-TAIX61 only in the documented redundant analog input arrangement with 8C-PAIN01. Preserve both I/O paths, channel wiring, loop power, shields and commons, then verify every channel and the controlled redundancy transfer.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



8C-TAIX61

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 8C-TAIX61 and 51306977-175 marking before work.
2	Confirm the associated I/O modules and redundancy arrangement use the documented 8C-PAIN01 hardware.
3	Place both redundant paths and affected process loops in the approved maintenance state.
4	Record all sixteen single-ended channel assignments and both path identities.
5	Label signal, common, shield, grounding and loop-power conductors before removal.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	8C-TAIX61
Physical interface	Documented Series 8 IOTA position and keyed IOM interface
Companion check	Approved 8C-PAIN01 companion module and field termination
Configuration	Saved channel map, signal configuration, diagnostics and maintenance record
Functional proof	Every enabled channel, module diagnostic and controlled system response

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell CC-PUIO31	View Honeywell CC-PUIO31
Honeywell CC-TPIX11-51306544-175	View Honeywell CC-TPIX11-51306544-175
Honeywell CC-TSV211-51306665-175	View Honeywell CC-TSV211-51306665-175
Honeywell MC-PLAM02-51304362-150	View Honeywell MC-PLAM02-51304362-150
Honeywell MC-TDOR62	View Honeywell MC-TDOR62

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Honeywell 8C-TAIX61 and item 51306977-175 exactly.
Companion module	Confirm the documented 8C-PAIN01 analog input module.
IOTA arrangement	Confirm the redundant coated IOTA position.
Channel map	Preserve all sixteen single-ended 4-20 mA input assignments.
Field wiring	Label loop power, signals, commons, shields and grounding.
Functional proof	Verify every input, 50 ms scan response and module diagnostic.

CONFIGURATION BOUNDARY

Use 8C-TAIX61 only in the documented redundant analog input arrangement with 8C-PAIN01. Preserve both I/O paths, channel wiring, loop power, shields and commons, then verify every channel and the controlled redundancy transfer.

Expected Technical Values

PARAMETER	VALUE
Complete model	8C-TAIX61
Honeywell item number	51306977-175
IOTA role	Coated redundant analog input termination assembly
Compatible I/O module	8C-PAIN01

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell TC-IAH161	View Honeywell TC-IAH161
Honeywell TK-FPDXX2	View Honeywell TK-FPDXX2

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Exact 8C-TAIX61 and 8C-PAIN01 pairing match the engineering record.
Configuration	All sixteen channel assignments and input settings are restored.
Loop check	Each 4-20 mA loop reproduces its approved controlled test value.
System proof	Both paths and a controlled transfer pass.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
Which module is paired with Honeywell 8C-TAIX61?	Honeywell specifies 8C-TAIX61 as the coated redundant IOTA for the 8C-PAIN01 analog input module.
How many channels does Honeywell 8C-TAIX61 terminate?	The documented arrangement supports sixteen single-ended analog input channels.
Which current range is used by Honeywell 8C-TAIX61?	The official specification lists 4-20 mA through 200 ohms.
What makes Honeywell 8C-TAIX61 different from 8C-TAIX51?	8C-TAIX61 is the coated redundant IOTA, while 8C-TAIX51 is the coated non-redundant IOTA.

Related Honeywell Products

MODEL	APTER POWER PAGE
Honeywell TK-FXX102	View Honeywell TK-FXX102
Honeywell TK-IAH161	View Honeywell TK-IAH161
Honeywell TK-OAV081	View Honeywell TK-OAV081
Honeywell TK-ORC161	View Honeywell TK-ORC161
Honeywell TK-PPD011	View Honeywell TK-PPD011

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What scan response is documented for Honeywell 8C-TAIX61?	The compatible analog input module uses a 50 ms input scan rate.
Which transmitters can Honeywell 8C-TAIX61 receive?	The input arrangement accepts current signals from 2-wire or self-powered transmitters.
What must be recorded before replacing Honeywell 8C-TAIX61?	Record both redundancy paths, all sixteen channel assignments, loop-power sources, commons, shields and diagnostics.
How is Honeywell 8C-TAIX61 redundancy accepted after installation?	Both paths must report healthy status, all inputs must reproduce their approved values and a controlled transfer must complete without unexplained fault.

MANUFACTURER SOURCE RECORDS

PlantCruise by Experion Series 8 I/O Specification - PC03-490-100, Release 100, October 2011, section 2.2 Analog Input
Series 8 Controller and I/O Specification - S803-150-530, Version 1.0, May 2024, Series 8 architecture and I/O overview

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	8C-TAIX61 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



8C-TAIX61