

8C-TAOXA1 51307135-175

8C-TAOXA1 Analog Output IOTA

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PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Honeywell Experion Series 8 I/O

PART
8C-TAOXA1 51307135-175

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Honeywell 8C-TAOXA1 51307135-175 provides field termination for sixteen high-level analog output channels in a documented Honeywell Experion Series 8 I/O installation.

Channels: 16

Signal range: 4-20 mA

Execution: Coated

Redundancy form: Non-redundant A1 IOTA

RELATED APTER POWER PAGES		
1 Honeywell 8C-PAOH51 51454355-175	2 Honeywell 8C-TAIMA1 51307171-175	3 Honeywell 8C-TDILA1 51307141-175
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

SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The component remains matched to its installed host, interface hardware and engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product type	Analog Output I/O Termination Assembly
IOTA model	8C-TAOXA1
Manufacturer item number	51307135-175
Channels	16

PARAMETER	VALUE
Signal range	4-20 mA
Execution	Coated
Redundancy form	Non-redundant A1 IOTA
Installation family	Experion Series 8 I/O

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Honeywell MC-TAIH12 51304337-150
- 9

Honeywell MC-TAOX12 51304335-175

TECHNICAL NOTE

Install 8C-TAOXA1 51307135-175 only in its documented Honeywell Experion Series 8 I/O position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and field termination for sixteen high-level analog output channels under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

8C-TAOXA1 Analog Output IOTA

Provides field termination for sixteen high-level analog output channels in the approved Honeywell Experion

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

PRODUCT PRECAUTIONS

- 1
- Confirm the complete 8C-TAOXA1 51307135-175 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.
- 6
- Restore every conductor, cable, power path and configuration value to the approved record.
- 7
- Review host, module, channel or network diagnostics after controlled energization.
- 8
- Perform a controlled test that proves field termination for sixteen high-level analog output channels before

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ENGINEER FAQ

Q1 What terminates on 8C-TAOXA1 51307135-175?

It terminates sixteen 4-20 mA analog output loops.

Q2 Which channel count is assigned to 8C-TAOXA1 51307135-175?

The IOTA supports sixteen output channels.

Q3 What does the 8C prefix mean for 8C-TAOXA1 51307135-175?

It identifies the coated Series 8 execution.

Q4 Is 8C-TAOXA1 51307135-175 the redundant IOTA form?

No. The A1 execution is the non-redundant termination assembly.

Q5 Which polarity check is needed on 8C-TAOXA1 51307135-175?

Confirm the positive and negative loop terminals for every 4-20 mA channel.

Q6 What should be captured before removing 8C-TAOXA1 51307135-175?

Record IOM identity, channel numbers, loads, loop polarity and commanded values.

Q7 Why should 8C-TAOXA1 51307135-175 loads be placed in maintenance mode?

An unintended analog command can move a final control element.

Q8 How is 8C-TAOXA1 51307135-175 validated?

Measure every commanded loop current, confirm final-element response and clear the channel diagnostics.

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

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