



Honeywell 8C-TAIX61 51306977-175

Series C Redundant Analog Input IOTA

Product scope

- Terminates sixteen two-wire analog transmitter channels.
- Supports the documented redundant Series C analog-input arrangement.
- Includes the field-short protection network defined for the input assembly.
- Requires the IOM pairing, terminal map and loop-power design to remain consistent.

Manufacturer source

Honeywell Series C I/O User's Guide, Cx-TAIX51/Cx-TAIX61 wiring and protection sections.

The enclosed record retains only manufacturer-supported identity, function, operating principle, application and replacement boundaries for this product.

Request a fast quote	Product reference	
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Series C Redundant Analog Input IOTA

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

Order number	51306977-175
Series C designation	Cx-TAIX61
IOTA function	Redundant analog input
Input channels	16
Field-device wiring	Two-wire transmitter inputs
Redundancy	Dual IOM connection for redundant operation
Input protection	Documented field-short protection
System family	Honeywell Experion Series C I/O

Official references

- Honeywell Series C I/O User's Guide, Cx-TAIX51/Cx-TAIX61 wiring and protection sections.
- Manufacturer manual retained in the Apter source archive.

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Function

The IOTA terminates sixteen two-wire analog transmitter loops and provides the redundant Series C connection used by paired analog input IOMs.

Operating principle

Each field loop lands on the IOTA, where the wiring and protection network presents the signal to the associated input electronics. The redundant execution supports two IOM paths within the documented Series C architecture.

Protection

The official guide defines field-short behavior and allowable wiring resistance for the analog input assembly. These limits protect the input path but do not replace correct loop-power and barrier engineering.

Application

It is used for high-availability process measurements such as pressure, flow, level and temperature transmitters in Experion Series C cabinets.

Replacement checks

Confirm the -175 coated execution, the 51306977-175 order number, the redundant IOM pairing, terminal map and loop-power design before exchange.



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