

INDUSTRIAL AUTOMATION PRODUCT

CC-TUIO31

Universal I/O IOTA

Honeywell CC-TUIO31 is a 32-channel Universal I/O termination assembly that connects mixed field signals to the matched Series C Universal I/O module.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series C Universal I/O
Part number	51306875-176
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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CC-TUIO31

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Universal channels	32
Supported signal families	AI; AO; DI; DO
Module interface	CC-PUIO31
Field termination	Removable terminal blocks
Channel protection	Per-channel electronic protection

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System Role and Architecture

Honeywell CC-TUIO31 is a 32-channel Universal I/O termination assembly that connects mixed field signals to the matched Series C Universal I/O module.

FUNCTION 1

Terminates thirty-two universal field channels

FUNCTION 2

Supports mixed analog and discrete assignments

FUNCTION 3

Pairs with the Universal I/O module

FUNCTION 4

Allows channel-by-channel marshalling

Matched system components

- CC-PUIO31 Universal I/O module
- Series C carrier
- Universal marshalling cabinet
- Field terminal blocks

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Applications and Engineering Context

Late-bound process I/O cabinets

Terminates thirty-two universal field channels

Universal marshalling projects

Supports mixed analog and discrete assignments

Mixed-signal skid integration

Pairs with the Universal I/O module

Brownfield I/O migration

Allows channel-by-channel marshalling

TECHNICAL NOTE

Fit the channel protection and terminal arrangement specified for each assigned signal type, then verify the configured channel personality before field energization.

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Engineering Precautions

1

Verify the complete CC-TUIO31 marking and its assigned Experion Series C Universal I/O position before work.

2

Isolate the applicable power and field energy before disconnecting CC-TUIO31.

3

Protect CC-TUIO31 connectors and electronic assemblies with approved ESD controls.

4

Record the installed wiring, channel assignment and configuration before replacement.

5

Match CC-TUIO31 Universal I/O module and Series C carrier to the documented system arrangement.

6

Commission CC-TUIO31 with controlled status, signal and diagnostic checks.

7

Retain the final late-bound process i/o cabinets functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell Series C I/O Specification

EP03-490-520 V10

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