

INDUSTRIAL AUTOMATION PRODUCT

51402573-250

UCN Interface Module Assembly

Honeywell 51402573-250 is a UCN interface module assembly for a High-Performance Process Manager. It provides the hardware communication path between the HPM and Universal Control Network.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	TDC 3000 High-Performance Process Manager
Part number	51402573-250
Country	USA
HS code	8537101190

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51402573-250

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Interface	UCN
Module function	HPM communication interface
Assembly	Module

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System Role and Architecture

Honeywell 51402573-250 is a UCN interface module assembly for a High-Performance Process Manager. It provides the hardware communication path between the HPM and Universal Control Network.

FUNCTION 1

Connects the HPM to the Universal Control Network

FUNCTION 2

Transfers controller data over UCN

FUNCTION 3

Fits the HPM communication position

FUNCTION 4

Supports redundant network operation

Matched system components

- HPM controller
- UCN A/B cabling
- HPM communication control board
- Controller cardfile

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Applications and Engineering Context

HPM UCN communication

Connects the HPM to the Universal Control Network

Controller-node restoration

Transfers controller data over UCN

Redundant network testing

Fits the HPM communication position

Legacy UCN maintenance

Supports redundant network operation

TECHNICAL NOTE

Keep UCN A and B paths identified, record the installed module position and confirm controller visibility on both network channels.

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Engineering Precautions

1

Verify the complete 51402573-250 marking and the assigned TDC 3000 High-Performance Process Manager position before field work.

2

Isolate the applicable power, network and field energy before disconnecting 51402573-250.

3

Use ESD controls and protect the keyed connectors of 51402573-250 during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm HPM controller and UCN A/B cabling against the approved system configuration.

6

Restore 51402573-250 under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for hpm ucn communication before production release.

MANUFACTURER SOURCE RECORD

Honeywell HPM service manual

UCNIF module assembly

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