

INDUSTRIAL AUTOMATION PRODUCT

MC-PDIS12

Sequence-of-Events Digital Input Processor

Honeywell MC-PDIS12 is a coated 32-point sequence-of-events digital input processor. It collects discrete changes and delivers event-oriented input data to TPS Process Manager control functions.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	TPS Process Manager I/O
Part number	51402625-175
Country	USA
HS code	8537101190

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MC-PDIS12

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Input points	32
Input function	Sequence of events
Board coating	Conformal
Processor family	PM/APM/HPM/EHPM I/O

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System Role and Architecture

Honeywell MC-PDIS12 is a coated 32-point sequence-of-events digital input processor. It collects discrete changes and delivers event-oriented input data to TPS Process Manager control functions.

FUNCTION 1

Acquires discrete field-state transitions

FUNCTION 2

Time-orders input transitions for event review

FUNCTION 3

Transfers digital status through the I/O link

FUNCTION 4

Uses a conformally coated processor board

Matched system components

- Compatible digital-input FTA
- PM/APM/HPM/EHPM I/O cardfile
- I/O link
- Discrete field contacts

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Applications and Engineering Context

Trip-event chronology

Acquires discrete field-state transitions

Turbine auxiliary event capture

Time-orders input transitions for event review

Switchgear status sequencing

Transfers digital status through the I/O link

Process interlock diagnostics

Uses a conformally coated processor board

TECHNICAL NOTE

Match the input FTA and I/O link assignment, synchronize the system time source and test channel transition order before enabling event collection.

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5 Engineering Precautions

- 1 Verify the complete MC-PDIS12 marking and the assigned TPS Process Manager I/O position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting MC-PDIS12.
- 3 Use ESD controls and protect the keyed connectors of MC-PDIS12 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Compatible digital-input FTA and PM/APM/HPM/EHPM I/O cardfile against the approved system configuration.
- 6 Restore MC-PDIS12 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for trip-event chronology before production release.

MANUFACTURER SOURCE RECORD

Honeywell TPS Process Manager I/O Specification
IO03-684 Rev.2

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