

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Honeywell 8C-PDIL51 51454359-175

Product Reference

coated Series 8 24 VDC digital input module

DOCUMENT SCOPE

Independent Apter Power manual limited to verified identity evidence and any directly relevant Honeywell sources listed in this document. No product photograph is included.

Product / lookup identity	Honeywell 8C-PDIL51 51454359-175
Reference number	51454359-175
Document basis	Published Honeywell product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Honeywell/8c-pdil51-51454359-175>

Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Honeywell 8C-PDIL51 is a coated 32-channel Series 8 digital input module for 24 VDC field signals. Use 8C-PDIL51 51454359-175 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system. System context: coated Series 8 24 VDC digital input module.

Published field	Manufacturer-published value or verified identity note
Model	8C-PDIL51
Part number	51454359-175
Input	24 VDC digital
Channels	32
Input voltage range	18 to 30 VDC
Input filter delay	5 ms +/-20%
Verification Status	Verified Product Reference

System function and signal path

01	System Inputs: coated Series 8 24 VDC digital input module
02	Processing: Use 8C-PDIL51 51454359-175 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system.

Applications, answers, and official sources

1 Installed-base maintenance: Supports identification and maintenance planning for Honeywell 8C-PDIL51 51454359-175.

2 Compatibility review: Compares the exact hardware, host, rack or chassis, terminal assembly, cable and revision before replacement.

3 Installation planning: Defines the isolation, mounting, wiring and configuration checks required before field work.

4 Commissioning and troubleshooting: Supports controlled power, communication, channel, diagnostic and alarm checks after work.

Frequently asked questions

How do I confirm compatibility with the installed system?	Match the complete model and part number, host system, rack or chassis, terminal assembly, cable, firmware and project documentation.
What should be checked before ordering a replacement?	Provide clear nameplate photos and verify the installed slot, connector, terminal hardware, field wiring and required revision.
Can a similar Honeywell or related model be used as a direct replacement?	Only when the manufacturer documentation and the installed project explicitly approve that exact substitution.
What must be checked before installation?	Confirm isolation, power, keying, mounting, connector orientation, cable code, wiring polarity and the latest configuration backup.
Can the product be installed or removed while energized?	Follow the exact hardware manual and site procedure; otherwise de-energize the circuit before handling the hardware or field wiring.
How should wiring and termination be verified?	Compare every conductor, shield, polarity, terminal number and field supply with the approved drawings before moving any wire.

Official Honeywell sources

Honeywell Series C I/O Specification	https://prod-edam.honeywell.com/content/dam/honeywell-edam/pmt/hps/products/pas/experion-pks/i-o-modules/series-c-i-o-modules/EP03-490-520_V10_SCIO_1_5.pdf
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