

Schneider Electric 140DDI35310

32-channel 24 V DC negative-logic discrete input module

Schneider Electric 140DDI35310 is a Modicon Quantum 32-channel 24 V DC discrete input module arranged as four groups with negative, source-logic field behavior.

Input count	32
Signal	24 V DC
Logic	Negative / source
Groups	4 groups
I/O mapping	2 input words
Supply range	19.2 to 30 V DC

EXACT MODEL

140DDI35310 is the controlled service identity. Do not shorten or normalize the suffix.

SYSTEM BOUNDARY

Preserve field polarity, four group commons and the two-word controller map.

ACCEPTANCE RECORD

Record the installed position, wiring or network identity, configuration and final functional test.

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Supply range	19.2 to 30 V DC
Response	1 ms maximum
Bus current	330 mA
Platform	Modicon Quantum
Operating temperature	0 to 60 degrees C

ENGINEERING CHECK

Compare every applicable field value with the installed nameplate, electrical drawings and controller configuration before release.

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HIGH-DENSITY DC INPUTS

Acquires thirty-two 24 V DC points in a Quantum rack.

GROUPED FIELD CIRCUITS

Retains the four documented groups and their common wiring.

FAST STATUS CAPTURE

Uses the published maximum input response for deterministic panel logic.

EXACT MODULE RENEWAL

Preserves the two-word map and negative-logic field identity.

Identity	140DDI35310
Series	Modicon Quantum
Role	32-channel 24 V DC negative-logic discrete input module
Release boundary	Preserve field polarity, four group commons and the two-word controller map.

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What distinguishes 140DDI35310 from a positive-logic input?

Its field circuit is documented as negative/source logic; polarity must match the installed design.

How are the 32 inputs grouped?

The module uses four groups and maps its states into two input words.

What supply window applies?

The published field supply range is 19.2 to 30 V DC.

How quickly does an input respond?

The datasheet gives a maximum response of 1 ms under the documented conditions.

What should be labelled before removal?

Label every terminal, group common, cable and controller address before disconnecting the module.

Is 140DDI35300 interchangeable?

No interchangeability claim is made; confirm the complete 140DDI35310 order identity.

DECISION RULE

When the installed marking or project record conflicts with a catalog assumption, stop and verify the exact Schneider Electric documentation before service.

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01 / Confirm the complete 140DDI35310 marking, rack or drive position and controlled maintenance record.

02 / Place the connected machine and control system in the approved safe maintenance state.

03 / Isolate every documented power and field circuit, then prove the absence of hazardous energy.

04 / Record the input count and published value 32; do not replace it with a nearby family value.

05 / Preserve the signal and published value 24 V DC, terminal labels, cable identities, shield and grounding arrangement.

06 / Protect connectors and electronics with grounded ESD controls and clean handling practices.

07 / Restore wiring and power only after a point-by-point inspection against the service record.

08 / Preserve field polarity, four group commons and the two-word controller map.

RETURN-TO-SERVICE

Release only after the documented signal, network or motion response is proven and the final acceptance record is retained.

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SOURCE LEDGER

Schneider Electric 140DDI35310 Product Data Sheet

The exact manufacturer product data sheet is retained unchanged in Manuals 2.

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SELECTED APTER POWER CATALOG LINKS

Browsing references only. No compatibility, replacement or interchangeability claim is implied.

[View Schneider Electric 140DDO35300](#)

[View Schneider Electric 140DDI35300](#)

[View Schneider Electric 140NRP95400](#)

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEB www.apterpower.com

