

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.

PRODUCT ROLE

32-channel 24 V DC negative-logic discrete input module. The complete order reference controls the identity used for service and procurement.

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
Response	1 ms maximum

IDENTITY CONTROL

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

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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
Response	1 ms maximum
Bus current	330 mA
Platform	Modicon Quantum
Operating temperature	0 to 60 degrees C

VALUE DISCIPLINE

Each value on this page comes from the exact Schneider Electric product datasheet. It is not borrowed from another family member.

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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.

INTEGRATION LIMIT

These are documented engineering uses, not proof that the product can substitute for a different model or configuration.

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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 / CONTROL POINT

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

02 / CONTROL POINT

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

03 / CONTROL POINT

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

04 / CONTROL POINT

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

05 / CONTROL POINT

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

06 / CONTROL POINT

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

07 / CONTROL POINT

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

08 / CONTROL POINT

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

APTER POWER / EXACT-MODEL TECHNICAL REFERENCE

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SOURCE LEDGER

Schneider Electric 140DDI35310 Product Data Sheet

Exact-model manufacturer document supplied unchanged as Manuals 2.

Evidence scope	Exact order reference and published technical characteristics
Manuals 2	140DDI35310-datasheet.pdf
Authored files	Technical Reference plus Complete Product Information

SELECTED APTER POWER CATALOG LINKS

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

[View Schneider Electric 170ADI35000](#)

[View Schneider Electric 170AAI14000](#)

[View Schneider Electric ATV61HD75N4](#)

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEB www.apterpower.com



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