

Schneider Electric 140DDO35301

32-channel 24 V DC positive-logic discrete output module

Schneider Electric 140DDO35301 is a Modicon Quantum 32-point 24 V DC solid-state output module arranged in four groups of eight positive-logic channels.

Output count	32
Signal	24 V DC
Logic	Positive / source
Grouping	4 groups of 8
I/O mapping	2 output words
Supply range	19.2 to 30 V DC

EXACT MODEL

140DDO35301 is the controlled service identity. Do not shorten or normalize the suffix.

SYSTEM BOUNDARY

Confirm sourcing polarity and calculate point, group and total current before returning outputs to service.

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

Module current	16 A maximum
Group current	4 A maximum
Surge	2 A
Turn-on response	1 ms maximum
Turn-off response	0.1 ms maximum
Bus current	330 mA

ENGINEERING CHECK

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

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HIGH-DENSITY ACTUATOR CONTROL

Switches thirty-two 24 V DC loads from a Quantum rack.

GROUPED OUTPUT CIRCUITS

Keeps four protected groups of eight channels within documented current limits.

FAST DC SWITCHING

Supports the published turn-on and turn-off response boundaries.

EXACT POSITIVE-LOGIC RENEWAL

Restores the same sourcing output identity and controller mapping.

Identity	140DDO35301
Series	Modicon Quantum
Role	32-channel 24 V DC positive-logic discrete output module
Release boundary	Confirm sourcing polarity and calculate point, group and total current before returning outputs to service.

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What output polarity does 140DDO35301 use?

It is a positive-logic sourcing output module for 24 V DC field loads.

How are the outputs divided?

Thirty-two points are arranged in four groups of eight and occupy two output words.

Which current limits must be checked together?

Check the individual load, 4 A group limit and 16 A module limit, including the 2 A surge condition.

What are the switching response limits?

Turn-on is specified at 1 ms maximum and turn-off at 0.1 ms maximum.

What must be proven after replacement?

Command and observe every safety-permitted output, then retain the acceptance record.

May output fusing be omitted?

No. Use the documented protection arrangement and the installed circuit design.

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 140DDO35301 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 output 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 / Confirm sourcing polarity and calculate point, group and total current before returning outputs to service.

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 140DDO35301 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 140CPU43412](#)

[View Schneider Electric 171CCC76010](#)

[View Schneider Electric 170PNT11020](#)

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