

Schneider Electric 140DDO36400

96-channel 24 V DC negative-logic discrete output module

Schneider Electric 140DDO36400 is a high-density Modicon Quantum 96-point 24 V DC sink output module organized as six groups of sixteen channels.

Output count	96
Signal	24 V DC
Logic	Negative / sink
Grouping	6 groups of 16
I/O mapping	6 output words
Supply range	19.2 to 30 V DC

EXACT MODEL

140DDO36400 is the controlled service identity. Do not shorten or normalize the suffix.

SYSTEM BOUNDARY

Keep the six group commons, sinking polarity and cumulative current calculation with the service record.

ACCEPTANCE RECORD

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

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Signal	24 V DC
Logic	Negative / sink
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Supply range	19.2 to 30 V DC

Point current	0.5 A maximum
Group current	3.2 A maximum
Module current	19.2 A maximum
Surge	2 A
Response	0.1 ms maximum
Protection	Short-circuit and overload

ENGINEERING CHECK

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

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DENSE DC OUTPUT BANKS

Controls up to ninety-six documented 24 V DC sink loads.

SIX-GROUP DISTRIBUTION

Separates channels into six sixteen-point current domains.

PROTECTED SWITCHING

Uses the module short-circuit and overload protection within stated limits.

EXACT HIGH-DENSITY RENEWAL

Preserves the six-word output map and negative-logic identity.

Identity	140DDO36400
Series	Modicon Quantum
Role	96-channel 24 V DC negative-logic discrete output module
Release boundary	Keep the six group commons, sinking polarity and cumulative current calculation with the service record.

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How many outputs are available on 140DDO36400?

The module provides ninety-six solid-state 24 V DC outputs.

What logic orientation applies?

It is a negative-logic sinking output module; field polarity cannot be reversed by assumption.

How is current limited?

Observe 0.5 A per point, 3.2 A per group and 19.2 A total, plus the published surge condition.

How many controller words are used?

The 96 channels occupy six output words.

What does built-in protection not replace?

It does not replace the documented external field-circuit protection and conductor sizing.

What should commissioning include?

Test each permitted output group, review diagnostics and verify no overload or short-circuit indication remains.

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 140DDO36400 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 96; 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 / Keep the six group commons, sinking polarity and cumulative current calculation with the service record.

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 140DDO36400 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 170ADI35000](#)

[View Schneider Electric 170AAI14000](#)

[View Schneider Electric ATV61HD75N4](#)

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