140DDM39000

mixed 24 V DC module with 16 inputs and eight solid-state outputs

VERIFIED OVERVIEW

The 140DDM39000 combines field sensing and switching on one Quantum module so a controlled cabinet can exchange 16 input states and eight output commands. The information below is restricted to the exact model and the available manufacturer evidence.

Core identity

Total I/O	24 points
Inputs	16 sink inputs, 2 groups of 8
Outputs	8 solid-state outputs, 2 groups of 4
Field voltage	24 V DC
Addressing	1 input word and 0.5 output word
Output current	Up to 0.5 A per point, 2 A per group, 4 A per module

SELECTION RULE

Use the full product marking and the approved project record. A shared Quantum family name or similar terminal pattern is not proof that another module can replace this one.

Documented function markers

- 16 sink inputs in two groups
- Eight solid-state outputs in two groups
- 24 V DC field circuits
- One input word plus half an output word

RECORD BOUNDARY

Packaging data, shipping dimensions and seller descriptions are not used as installed-product engineering parameters in this document.

Documented parameters

Exact-model electrical and system values

Total I/O	24 points
Inputs	16 sink inputs, 2 groups of 8
Outputs	8 solid-state outputs, 2 groups of 4
Field voltage	24 V DC
Addressing	1 input word and 0.5 output word
Output current	Up to 0.5 A per point, 2 A per group, 4 A per module
Output response	Up to 1 ms in either direction
Bus current	330 mA

PARAMETER USE

Apply these values as product boundaries, then confirm the installed circuit, fuse, field supply, controller configuration and environmental design in the approved site documentation.

Parameter verification prompts

- Record the complete 140DDM39000 marking.
- Isolate both input and output field supplies.
- Confirm 24 V DC circuit polarity and grouping.
- Verify all 16 input labels and states.

NO INFERRED VALUES

Where the exact Schneider Electric evidence does not state a value, the value remains installation-specific and must be obtained from the approved project record or the installed nameplate.

Application context

How the exact model fits a documented Quantum system

MIXED CABINET I/O

Combines 16 inputs and eight outputs in one rack position.

24 V DC SENSING

Reads two groups of eight sink inputs.

SOLID-STATE SWITCHING

Controls two groups of four field outputs.

FAULT DIAGNOSTICS

Indicates bus state, field-power loss and point faults.

Integration controls

- Separate input and output field circuits exactly as shown in the approved wiring drawing.
- Respect the 0.5 A point, 2 A group and 4 A module output limits.
- Keep the two output-group fuses identifiable and accessible.
- Map one input word and half an output word in the controller project.

TRACEABILITY

Retain the full model, rack and slot, terminal or cable identities, software configuration and acceptance results. These records make later troubleshooting and replacement decisions auditable.

Controlled release checks

- Check all eight output loads and current limits.
- Inspect both 5 A output-group fuses.
- Review Active, field-power and fault LEDs.
- Document point-by-point input and output acceptance.

Exact-model FAQ

Questions answered only from the documented product identity

How many total I/O points are provided?
24.

How are the inputs arranged?
16 sink inputs in two groups of eight.

How are the outputs arranged?
Eight solid-state outputs in two groups of four.

What field voltage is specified?
24 V DC.

What addressing is required?
One input word and half an output word.

What is the per-point output limit?
Up to 0.5 A.

How are the output groups protected?
By an internal 5 A fuse per group.

Which field faults are indicated?
Blown output fuse and loss of output field power.

Verified references

ApterPower navigation, evidence boundary and direct contact

Verified related ApterPower product pages

Schneider Electric 140ATI03000

Schneider Electric 140NOE77100

SOURCE BOUNDARY

Product facts in this document were prepared from the available exact-model Schneider Electric evidence. Related product links are navigation references, not compatibility claims.

IDENTITY BOUNDARY

The complete model remains the controlling identity. Similar product names, adjacent catalog rows or a matching connector do not establish interchangeability.

Talk to Apter Power

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SUPPORT REQUEST

When contacting Apter Power, include the full label, rack and slot, cabinet photos, controller diagnostic text and the exact required operating function.