

Schneider Electric 140DAI74000

16-channel 230 V AC discrete input module

Schneider Electric 140DAI74000 is a Modicon Quantum discrete input module with sixteen 230 V AC field-input channels represented in one input word.

Input count	16
Input type	230 V AC discrete
I/O mapping	1 input word
Frequency range	47 to 63 Hz
Bus current	180 mA
Power dissipation	5.5 W

EXACT MODEL

140DAI74000 is the controlled service identity. Do not shorten or normalize the suffix.

SYSTEM BOUNDARY

Isolate every AC input group and prove absence of voltage before terminal work.

ACCEPTANCE RECORD

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

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Input count	16
Input type	230 V AC discrete
I/O mapping	1 input word
Frequency range	47 to 63 Hz
Bus current	180 mA

Power dissipation	5.5 W
Platform	Modicon Quantum
Signal domain	AC field inputs
Channel role	Discrete state acquisition
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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AC STATUS ACQUISITION

Reads sixteen 230 V AC discrete states into a Quantum controller.

LEGACY PANEL RENEWAL

Restores the exact one-word channel map during like-for-like service.

MACHINE PERMISSIVES

Acquires documented AC contacts used by the installed control logic.

FIELD INPUT DIAGNOSTICS

Supports channel-by-channel review without changing the input type.

Identity	140DAI74000
Series	Modicon Quantum
Role	16-channel 230 V AC discrete input module
Release boundary	Isolate every AC input group and prove absence of voltage before terminal work.

Schneider Electric 140DAI74000

16-channel 230 V AC discrete input module

How many inputs does 140DAI74000 provide?

It provides sixteen discrete AC input channels.

Which signal class is documented?

The module is intended for 230 V AC field inputs at 47 to 63 Hz.

How is the module represented to the controller?

Its sixteen channels occupy one input word in the Quantum I/O map.

What must remain unchanged during renewal?

Retain the terminal assignment, common arrangement, rack slot and one-word address mapping.

Does the 5.5 W figure describe field load capacity?

No. It is the module power-dissipation value, not a permissible field-load rating.

Can a DC input module use the same data?

No. The voltage domain and input circuit differ; this content applies only to 140DAI74000.

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 140DAI74000 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 16; do not replace it with a nearby family value.

05 / Preserve the input type and published value 230 V AC discrete, 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 / Isolate every AC input group and prove absence of voltage before terminal work.

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 140DAI74000 Product Data Sheet

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

How many inputs does 140DAI74000 provide?

It provides sixteen discrete AC input channels.

Which signal class is documented?

The module is intended for 230 V AC field inputs at 47 to 63 Hz.

How is the module represented to the controller?

Its sixteen channels occupy one input word in the Quantum I/O map.

SELECTED APTER POWER CATALOG LINKS

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

[View Schneider Electric 140NOE77101](#)

[View Schneider Electric 140ARI03010](#)

[View Schneider Electric 140CPS11100](#)

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