

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.

PRODUCT ROLE

16-channel 230 V AC discrete input module. The complete order reference controls the identity used for service and procurement.

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

IDENTITY CONTROL

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

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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

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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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.

INTEGRATION LIMIT

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

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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 / CONTROL POINT

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

05 / CONTROL POINT

Preserve the input type and published value 230 V AC discrete, 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

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

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SOURCE LEDGER

Schneider Electric 140DAI74000 Product Data Sheet

Exact-model manufacturer document supplied unchanged as Manuals 2.

Evidence scope	Exact order reference and published technical characteristics
Manuals 2	140DAI74000-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 140CPU43412](#)

[View Schneider Electric 171CCC76010](#)

[View Schneider Electric 170PNT11020](#)

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