

Schneider Electric

140DAI75300

32-Channel 230 VAC Discrete Input Module

Schneider Electric 140DAI75300 is a 32-channel Modicon Quantum discrete input module for 230 VAC signals at 47–63 Hz. Its inputs are arranged as four groups of eight and are reported through two controller input words.

System position

Exact identity 140DAI75300	System family Modicon Quantum	Functional role Discrete Input Module	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

140DAI75300 collects thirty-two AC field states in a Quantum rack while preserving the four-group terminal arrangement, input-word mapping and field-voltage boundary.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	140DAI75300
Module family	Modicon Quantum
Input channels	32
Input voltage	230 VAC
Frequency	47–63 Hz
Channel grouping	4 groups of 8

Technical evidence record: Modicon Quantum Automation Platform Catalogue, pages 69 and 75

CONTACT APTER POWER

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com



140DAI75300

Interfaces and integration

Define the installed role

140DAI75300 collects thirty-two AC field states in a Quantum rack while preserving the four-group terminal arrangement, input-word mapping and field-voltage boundary.

Exact model	140DAI75300
Module family	Modicon Quantum
Input channels	32

Map the host relationship

The complete 140DAI75300 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	Modicon Quantum
Primary role	32-point AC discrete-input acquisition
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded Modicon Quantum position, connected interfaces and configuration baseline.

Acceptance evidence

Release 140DAI75300 only after diagnostics and a controlled functional result are recorded.

Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

PARAMETER	VALUE
Exact model	140DAI75300
Module family	Modicon Quantum
Input channels	32
Input voltage	230 VAC
Frequency	47–63 Hz

PARAMETER	VALUE
Channel grouping	4 groups of 8
Controller data	2 input words
Bus current	250 mA
Maximum power dissipation	5 W
Online configuration change	Supported

Identity decision

Accept only the complete 140DAI75300 marking and the recorded hardware execution.

Host decision

Confirm the receiving Modicon Quantum position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of 32-point AC discrete-input acquisition before handover.

Engineering boundary

Use 140DAI75300 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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Controls and service logic

AC status monitoring

Collects thirty-two 230 VAC field states for the controller.

Motor-control feedback

Receives documented contactor, starter and interlock status signals.

Grouped field wiring

Maintains four isolated channel groups of eight inputs.

Quantum I/O renewal

Retains terminal order and two-word controller mapping during replacement.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 140DAI75300 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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Engineering decisions

What is Schneider Electric 140DAI75300?

It is a 32-channel Modicon Quantum AC discrete input module.

Which input voltage does 140DAI75300 use?

The documented input voltage is 230 VAC.

Which frequency range applies to 140DAI75300?

The catalog lists 47–63 Hz.

How are 140DAI75300 inputs grouped?

The thirty-two inputs are arranged as four groups of eight.

How many controller words does 140DAI75300 use?

It reports the channels through two input words.

Can 140DAI75300 configuration be changed online?

The catalog identifies online configuration modification as supported.

Related Apter Power pages

[Schneider Electric 171CCC76010 — View product page](#)

[Schneider Electric 140ARI03010C — View product page](#)

[Schneider Electric 140ACO13000C — View product page](#)

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