

Schneider Electric

140AMM09000

Mixed Analog I/O Module

Schneider Electric 140AMM09000 is a Modicon Quantum mixed analog module with four input channels and two isolated current-output channels. It supports multiple voltage and current input ranges while its outputs operate in the 4–20 mA range.

System position

Exact identity 140AMM09000	System family Modicon Quantum	Functional role Analog I/O Module	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

140AMM09000 combines analog acquisition and isolated current output in one Quantum rack position, allowing a documented process loop set to retain its channel map and scaling basis.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	140AMM09000
Module family	Modicon Quantum
Analog inputs	4 channels
Analog outputs	2 isolated channels
Input ranges	Voltage and current; includes 1–5 V and 4–20 mA
Output range	4–20 mA

Technical evidence record: Modicon Quantum Automation Platform Catalogue, pages 78 and 81

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140AMM09000

Interfaces and integration

Define the installed role

140AMM09000 combines analog acquisition and isolated current output in one Quantum rack position, allowing a documented process loop set to retain its channel map and scaling

Exact model	140AMM09000
Module family	Modicon Quantum
Analog inputs	4 channels

Map the host relationship

The complete 140AMM09000 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	Modicon Quantum
Primary role	mixed analog input acquisition and isolated
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 140AMM09000 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	PARAMETER	VALUE
Exact model	140AMM09000	Maximum input resolution	16 bit
Module family	Modicon Quantum	Output resolution	12 bit
Analog inputs	4 channels	I/O words	5 input / 2 output
Analog outputs	2 isolated channels	Bus current	350 mA
Input ranges	Voltage and current; includes 1–5 V and 4–20	Online configuration change	Supported
Output range	4–20 mA		

Identity decision

Accept only the complete 140AMM09000 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 mixed analog input acquisition and isolated current output before handover.

Engineering boundary

Use 140AMM09000 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

Combined process loops

Acquires field measurements and drives two isolated current outputs from one rack position.

4–20 mA instrumentation

Supports documented current-loop input and output assignments.

Voltage signal integration

Accepts configured voltage ranges for matched analog sources.

Quantum rack modernization

Retains the channel map and controller data-word allocation during controlled renewal.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 140AMM09000 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 140AMM09000?

It is a Modicon Quantum mixed analog input/output module.

How many channels does 140AMM09000 provide?

It provides four analog inputs and two isolated analog outputs.

Which output range does 140AMM09000 use?

The two analog outputs use the 4–20 mA range.

Which input signal types can 140AMM09000 accept?

Its documented selections include voltage and current ranges such as 1–5 V and 4–20 mA.

What controller data does 140AMM09000 exchange?

The module uses five input words and two output words.

Can 140AMM09000 configuration be changed online?

The catalog identifies online configuration modification as supported.

Related Apter Power pages

[Schneider Electric 140XBP01000 — View product page](#)

[Schneider Electric 140NOE77110 — View product page](#)

[Schneider Electric 140DDO36400 — View product page](#)

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