

Schneider Electric

140ACO13000

Eight-Channel Analog Output Module

Schneider Electric 140ACO13000 is an eight-channel Modicon Quantum current-output module. It supports 0–25 mA, 0–20 mA and 4–20 mA ranges and uses eight controller output words for the channel commands.

System position

Exact identity 140ACO13000	System family Modicon Quantum	Functional role Analog Output Module	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

140ACO13000 delivers eight configured current commands from a Quantum rack to field loops whose range, scaling, external supply and fallback behavior are retained in the controller record.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	140ACO13000
Module family	Modicon Quantum
Output channels	8
Signal ranges	0–25 mA, 0–20 mA, 4–20 mA
Controller data	8 output words
Bus current	550 mA

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

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Interfaces and integration

Define the installed role

140ACO13000 delivers eight configured current commands from a Quantum rack to field loops whose range, scaling, external supply and fallback behavior are retained in

Exact model	140ACO13000
Module family	Modicon Quantum
Output channels	8

Map the host relationship

The complete 140ACO13000 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	Modicon Quantum
Primary role	eight-channel analog current-output control
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 140ACO13000 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	140ACO13000
Module family	Modicon Quantum
Output channels	8
Signal ranges	0–25 mA, 0–20 mA, 4–20 mA
Controller data	8 output words

PARAMETER	VALUE
Bus current	550 mA
Maximum power dissipation	5.0 W
External supply	6–30 V DC maximum
Online configuration change	Supported

Identity decision

Accept only the complete 140ACO13000 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 eight-channel analog current-output control before handover.

Engineering boundary

Use 140ACO13000 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

Current-loop control

Drives eight configured analog current commands to field equipment.

Valve and actuator commands

Supports documented 4–20 mA final-control assignments.

Setpoint distribution

Provides multiple current ranges for matched receiving instruments.

Quantum rack renewal

Retains eight-word data mapping and loop scaling during module replacement.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 140ACO13000 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 140ACO13000?

It is an eight-channel Modicon Quantum analog current-output module.

How many outputs does 140ACO13000 provide?

It provides eight analog current-output channels.

Which ranges does 140ACO13000 support?

Its documented ranges are 0–25 mA, 0–20 mA and 4–20 mA.

How many controller words does 140ACO13000 use?

It uses eight output words.

What external supply range applies to 140ACO13000?

The catalog lists an external supply up to 6–30 V DC for the documented arrangement.

Can 140ACO13000 configuration be changed online?

The catalog identifies online configuration modification as supported.

Related Apter Power pages

[Schneider Electric BMXAMO0802 — View product page](#)

[Schneider Electric BMXAMI0800 982061 — View product page](#)

[Schneider Electric BMENOC0301 938092 — View product page](#)

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