

INDUSTRIAL AUTOMATION PRODUCT

140AVO02000

Modicon Quantum 4-Channel Analog Voltage Output Module

Schneider Electric 140AVO02000 is a Modicon Quantum four-channel analog voltage output module with selectable unipolar and bipolar ranges. It provides 12-bit output conversion and a documented master-override interface.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
System family	Modicon Quantum
Part number	140AVO02000
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 140AVO02000 only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and generation of four selectable unipolar or bipolar voltage outputs from a Modicon Quantum station before service release.

System Role and Architecture

Schneider Electric 140AVO02000 is a Modicon Quantum four-channel analog voltage output module with selectable unipolar and bipolar ranges. It provides 12-bit output conversion and a documented master-override interface.

FUNCTION 1
Four voltage outputs

FUNCTION 2
0-5 V, 0-10 V and bipolar ranges

FUNCTION 3
12-bit output conversion

FUNCTION 4
Documented master override

RELATED APTER POWER PAGES

1 Schneider Electric 140CPU43412

2 Schneider Electric 140DSI35300

3 Schneider Electric 140NOE77100

4 Schneider Electric 990XCP98000

5 Schneider Electric 140XTS00200

6 Schneider Electric 140XBP00600

7 Schneider Electric 140NRP95400

8 Schneider Electric 140NOE77111

9 Schneider Electric 140NOE77101

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Modicon Quantum
02	Matched Modicon Quantum host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Modicon Quantum
Interface role	generation of four selectable unipolar or bipolar voltage outputs from a Modicon Quantum station
Field / power context	documented Modicon Quantum installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 140AVO02000 marking and the documented Modicon Quantum 4-Channel Analog Voltage Output Module execution.

2 Place the machine, controller and affected process in the approved maintenance state.

3 Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4 Record the installed position, every terminal or port, and the active engineering configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	Analog voltage output module	Maximum power dissipation	4.5 W
Automation platform	Modicon Quantum	Channel isolation test	500 V AC at 47-63 Hz for 1 minute
Analog outputs	4	Master override	Supported with documented wiring
Output ranges	0-10 V, 0-5 V, +/-10 V and +/-5 V	External override fuse	0.063 A, 250 V, 3AG fast-blow when an external source is
Output resolution	12 bit	Online configuration modification	Supported
Output data	4 output words	Lifecycle status	Discontinued 31 December 2022; service planned through
Bus current required	700 mA	Official replacement	BMXAMO0410

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ENGINEERING BOUNDARY

Confirm 140AVO02000, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 140AVO02000 marking and the documented Modicon Quantum 4-Channel Analog Voltage Output Module
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Applications and Engineering Context

Voltage-command output

Generates configured analog references for compatible field equipment.

Bipolar actuator control

Provides signed voltage commands where the validated application requires them.

Master-override installation

Uses the approved external source, impedance and fuse arrangement.

Voltage-loop commissioning

Checks every channel range, polarity, load and forced-output response.

TECHNICAL NOTE

Install 140AVO02000 only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and generation of four selectable unipolar or bipolar voltage outputs from a Modicon Quantum station before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	140AVO02000 recorded
Host / carrier	Modicon Quantum
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms generation of four selectable unipolar or bipolar voltage outputs from a Modicon Quantum station

IMPORTANT NOTICE

Confirm 140AVO02000, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Schneider Electric 140CPU43412

View Schneider Electric 140CPU43412 page

2

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3

Schneider Electric 140NOE77100

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Schneider Electric 990XCP98000

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Schneider Electric 140NOE77101

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MANUFACTURER SOURCE RECORD

Schneider Electric 140AVO02000 product record and Modicon Quantum catalog | Official manufacturer evidence verified 28 September 2026

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.