

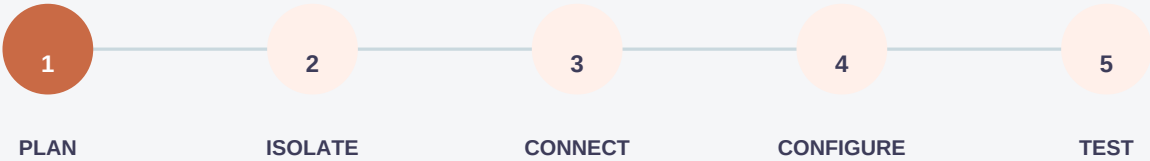
140ACO02000

Modicon Quantum 4-Channel 4-20 mA Analog Output Module

CONTROLLED ENGINEERING COPY

Schneider Electric 140ACO02000 is a Modicon Quantum analog output module with four 4-20 mA channels and 12-bit conversion. It uses a documented 12-30 V DC external supply for process-current outputs.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	140ACO02000
Manufacturer	Schneider Electric
System family	Modicon Quantum
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

1

Confirm the complete 140ACO02000 marking and the documented Modicon Quantum 4-Channel 4-20 mA Analog 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.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

MATCHED HARDWARE

- Schneider Electric 140ACO02000 with complete article identity
- Matched Modicon Quantum host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	140ACO02000 recorded
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 isolated 4-20 mA process outputs from a Modicon Quantum station

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	Analog output module
Automation platform	Modicon Quantum
Analog outputs	4
Output range	4-20 mA
Output resolution	12 bit
Output data	4 output words
External supply	12-30 V DC
Bus current required	480 mA
Maximum power dissipation	5.3 W
Channel isolation test	500 V AC at 47-63 Hz or 750 V DC for 1 minute
Online configuration modification	Supported
Lifecycle status	Discontinued 14 April 2023; service planned through 31 December 2030
Official replacement	BMXAMO0410

RELATED PRODUCT PAGES

1

[Schneider Electric 140NOE77111](#)

2

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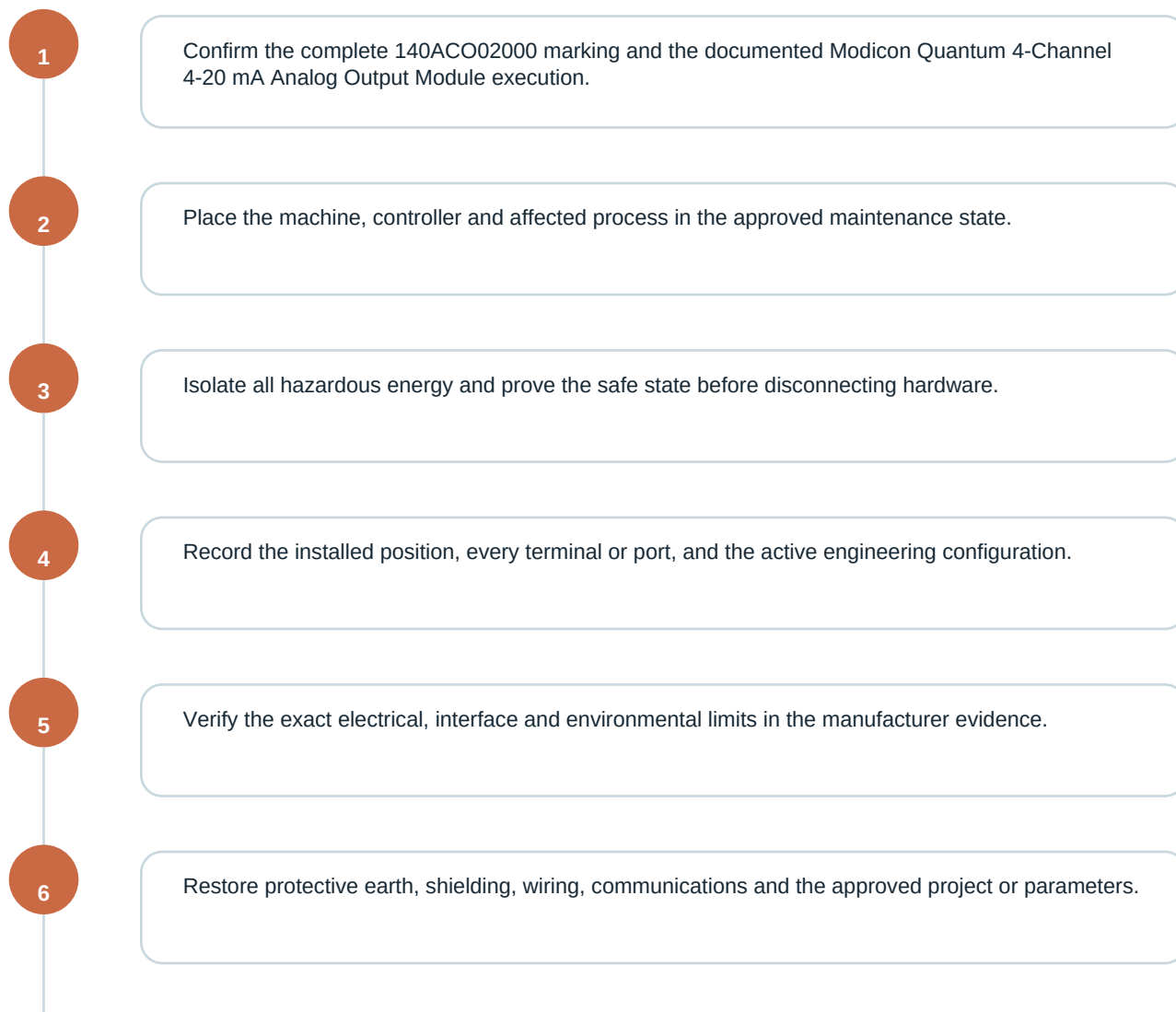
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[Schneider Electric 140DAI75300](#)

FIELD NOTE

Confirm 140ACO02000, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	140ACO02000
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 isolated 4-20 mA process outputs from a Modicon Quantum station

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of generation of four isolated 4-20 mA process outputs from a Modicon Quantum station before release.

VERIFICATION RECORD

PRODUCT IDENTITY	140ACO02000
INSTALLED POSITION	Documented Modicon Quantum position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of generation of four isolated 4-20 mA process outputs from a Modicon Quantum station before release.

SOURCE IDENTIFIERS

Schneider Electric 140ACO02000 product record and Modicon Quantum catalog | Official manufacturer evidence verified 28 September 2026