

140ATI03000

Modicon Quantum 8-Channel Thermocouple Input Module

CONTROLLED ENGINEERING COPY

Schneider Electric 140ATI03000 is a Modicon Quantum analog input module for eight thermocouple or millivolt channels. Each channel is individually configurable for the documented sensor type and engineering-unit resolution.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	140ATI03000
Manufacturer	Schneider Electric
System family	Modicon Quantum
Record scope	Installation, application and verification

1

2

3

4

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PLAN

ISOLATE

CONNECT

CONFIGURE

TEST

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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 140ATI03000 marking and the documented Modicon Quantum 8-Channel Thermocouple Input 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 140ATI03000 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	140ATI03000 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 acquisition of eight individually configured thermocouple or millivolt signals in a Quantum rack

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	Thermocouple analog input module
Automation platform	Modicon Quantum
Analog inputs	8
Supported thermocouples	J, K, E, T, S, R and B
Millivolt ranges	-100 to +100 mV and -25 to +25 mV
Type J range	-210 to +760 degC
Type K range	-270 to +1370 degC
Type E range	-270 to +1000 degC
Type T range	-270 to +400 degC
Type S / R range	-50 to +1665 degC
Type B range	-130 to +1820 degC
Selectable resolution	1 degC, 0.1 degC, 1 degF or 0.1 degF
Input data	10 input words

RELATED PRODUCT PAGES

1 [Schneider Electric 140NOE77101](#)

2 [Schneider Electric 140DDO84300](#)

3 [Schneider Electric 140DDO35300](#)

4 [Schneider Electric 140DDI85300](#)

5 [Schneider Electric 140DDI84100](#)

6 [Schneider Electric 140DDI35300](#)

7 [Schneider Electric 140DAO84000](#)

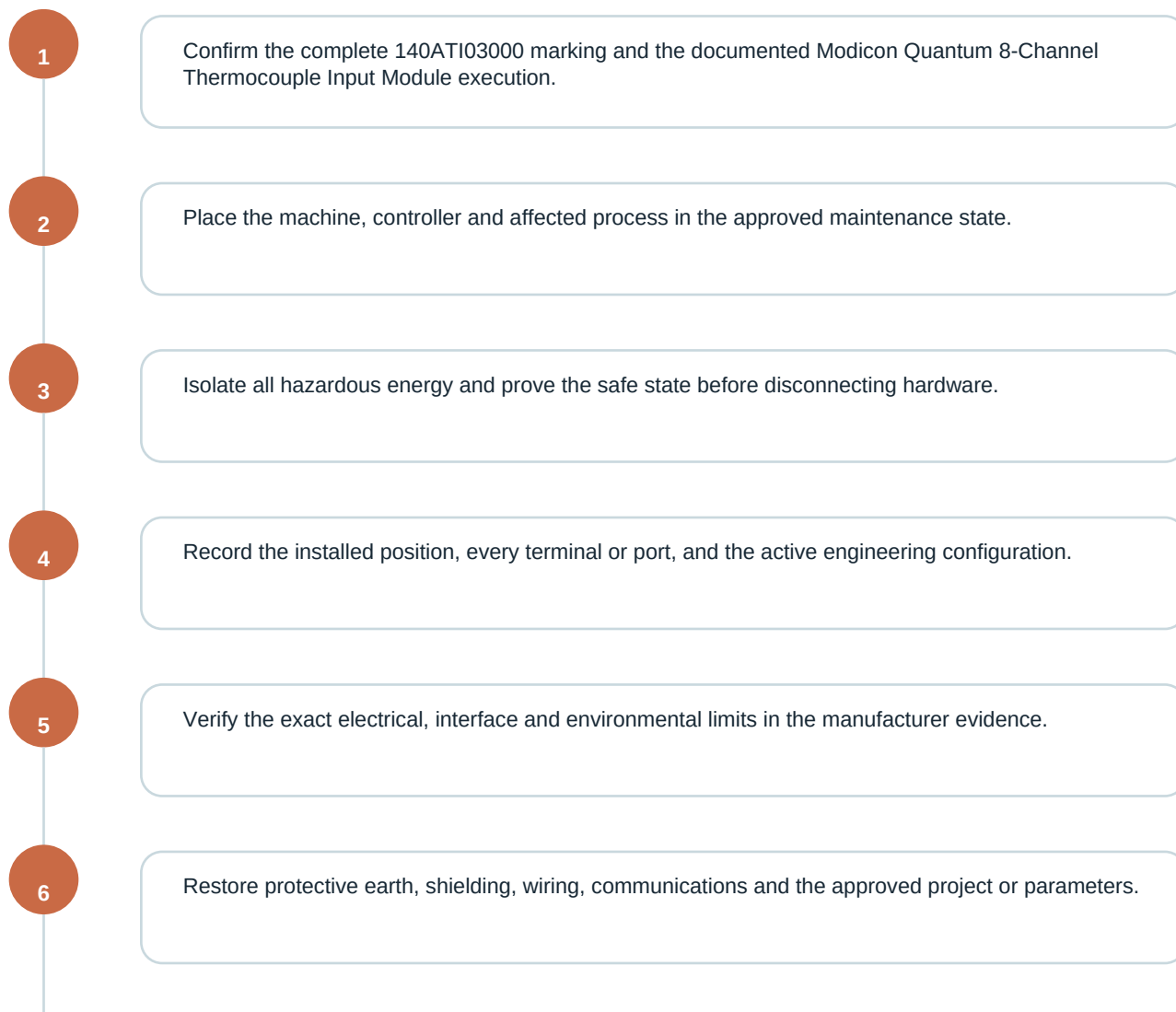
8 [Schneider Electric 140DAI75300](#)

9 [Schneider Electric 140DAI74000](#)

FIELD NOTE

Confirm 140ATI03000, 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	140ATI03000
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 acquisition of eight individually configured thermocouple or millivolt signals in a Quantum rack

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 acquisition of eight individually configured thermocouple or millivolt signals in a Quantum rack before release.

VERIFICATION RECORD

PRODUCT IDENTITY	140ATI03000
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 acquisition of eight individually configured thermocouple or millivolt signals in a Quantum rack before release.

SOURCE IDENTIFIERS

Schneider Electric 140ATI03000 product record and Modicon Quantum catalog | Official manufacturer evidence verified 28 September 2026