

Installation Identity and Scope

Schneider Electric 170AAI14000 is a Modicon Momentum distributed analog input module with 16 single-ended current/voltage channels. The official product record lists a 25 ms update time, internal reverse-polarity protection and two removable terminal blocks.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	170AAI14000
Manufacturer	Schneider Electric
Hardware type	Modicon Momentum Analog Input Module
System family	Modicon Momentum
Official source	170AAI14000 product specifications and lifecycle record

CONTROLLED ENGINEERING COPY

Use only the complete Schneider Electric 170AAI14000 identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

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170AAI14000

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 170AAI14000 marking and installed Momentum base.
2	Remove field and station power before module or terminal-block handling.
3	Record all 16 channel signal types, ranges and scaling values.
4	Label both removable terminal blocks before disconnection.
5	Preserve commons, shields and grounding exactly.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	170AAI14000
Physical interface	Exact Schneider Electric 170AAI14000 nameplate and installed revision
Companion check	Documented Modicon Momentum Analog Input Module system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Schneider Electric TSXPLP01	View Schneider Electric TSXPLP01
Schneider Electric 140ACO13000	View Schneider Electric 140ACO13000
Schneider Electric 140ACO13000C	View Schneider Electric 140ACO13000C
Schneider Electric 140AII33010	View Schneider Electric 140AII33010
Schneider Electric 140AMM09000	View Schneider Electric 140AMM09000

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Schneider Electric 170AAI14000 and the installed revision exactly.
I/O family	Verify the documented value: Modicon Momentum.
Module type	Verify the documented value: Distributed analog input.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete Modicon Momentum Analog Input Module function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete Schneider Electric 170AAI14000 identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
I/O family	Modicon Momentum
Module type	Distributed analog input
Input channels	16 single-ended current/voltage inputs
Update time	25 ms

Related Products on Apter Power

MODEL	APTER POWER PAGE
Schneider Electric 140ARI03010	View Schneider Electric 140ARI03010
Schneider Electric 140ARI03010C	View Schneider Electric 140ARI03010C

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete 170AAI14000 marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is Schneider Electric 170AAI14000?	It is a Modicon Momentum distributed analog input module with 16 single-ended current/voltage channels.
What update time is specified for Schneider Electric 170AAI14000?	The official product page lists a 25 ms update time.
Which protections are built into Schneider Electric 170AAI14000?	Schneider lists internal reverse-polarity protection and internal 2 A slow-blow protection.
How is field wiring connected to Schneider Electric 170AAI14000?	The module uses two removable terminal blocks.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Schneider Electric 140ATI03000	View Schneider Electric 140ATI03000
Schneider Electric 140AVO02000	View Schneider Electric 140AVO02000
Schneider Electric 140CHS11000	View Schneider Electric 140CHS11000
Schneider Electric 140CPS11100	View Schneider Electric 140CPS11100
Schneider Electric 140CPS22400	View Schneider Electric 140CPS22400

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What lifecycle notice applies to Schneider Electric 170AAI14000?	Schneider schedules end of commercialization for 1 December 2027; the installed-system plan should be reviewed.
What must be preserved before replacing Schneider Electric 170AAI14000?	Preserve all 16 channel types, ranges, scaling, alarms, terminal assignments and base configuration.
What confirms successful commissioning of Schneider Electric 170AAI14000?	Correct readings on every enabled channel, normal diagnostics and verified update behavior confirm release.

MANUFACTURER SOURCE RECORDS

Schneider Electric 170AAI14000 Official Product Page - 170AAI14000 product specifications and lifecycle record
Schneider Electric Momentum Declaration of Conformity - DCE_MOMENTUM_MAR2023, 16 current/voltage input channels

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	170AAI14000 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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