

170AAI14000

Modicon Momentum Analog Input Module

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.

BRAND	Schneider Electric	MODEL	170AAI14000
PRODUCT	Modicon Momentum Analog Input Module	FAMILY	Modicon Momentum
OFFICIAL SOURCE	Schneider Electric 170AAI14000 Official Product Page	RECORD	170AAI14000 product specifications and lifecycle record

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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170AAI14000

Product Overview and Applications

SYSTEM FUNCTION

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.

FUNCTION 1

Acquires 16 single-ended analog current or voltage inputs

FUNCTION 2

Updates the input image in 25 ms

FUNCTION 3

Includes internal reverse-polarity protection

FUNCTION 4

Uses two removable terminal blocks for field connections

APPLICATION	ENGINEERING CONTEXT
Distributed analog I/O	Collects sixteen field signals in a Modicon Momentum station.
Process instrumentation	Interfaces current and voltage transmitters with the configured controller.
Remote panel retrofit	Restores an identical Momentum channel map and terminal arrangement.
Lifecycle maintenance	Supports an installed 170AAI14000 system under the published Schneider lifecycle plan.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
I/O family	Modicon Momentum
Module type	Distributed analog input
Input channels	16 single-ended current/voltage inputs
Update time	25 ms
Reverse-polarity protection	Internal
Internal protection	2 A slow-blow protection
Field terminals	2 removable terminal blocks
Compliance	CE approved
Lifecycle notice	End of commercialization scheduled for 1 December 2027

Acceptance Path

1 IDENTITY

The complete 170AAI14000 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 170AAI14000 marking and installed Momentum base.	What is Schneider Electric 170AAI14000?	It is a Modicon Momentum distributed analog input module with 16 single-ended current/voltage channels.
2	Remove field and station power before module or terminal-block handling.		
3	Record all 16 channel signal types, ranges and scaling values.	What update time is specified for Schneider Electric 170AAI14000?	The official product page lists a 25 ms update time.
4	Label both removable terminal blocks before disconnection.		
5	Preserve commons, shields and grounding exactly.	Which protections are built into Schneider Electric 170AAI14000?	Schneider lists internal reverse-polarity protection and internal 2 A slow-blow protection.
6	Check field polarity even though internal reverse-polarity protection is provided		
7	Review the Schneider lifecycle notice and approved replacement plan.	How is field wiring connected to Schneider Electric 170AAI14000?	The module uses two removable terminal blocks.
8	Test every enabled channel and the 25 ms update behavior before release.		

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
Schneider Electric 140CPU43412	View Schneider Electric 140CPU43412

FAQ, Related Products and Sources

QUESTION	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

Related Products on Apter Power

MODEL	APTER POWER PAGE
Schneider Electric 140CPU43412U	View Schneider Electric 140CPU43412U
Schneider Electric 140CPU67160	View Schneider Electric 140CPU67160
Schneider Electric 140CRP93100	View Schneider Electric 140CRP93100
Schneider Electric 140DAI74000	View Schneider Electric 140DAI74000
Schneider Electric 140DAI75300	View Schneider Electric 140DAI75300
Schneider Electric 140DAO84000	View Schneider Electric 140DAO84000
Schneider Electric 140DDI35300	View Schneider Electric 140DDI35300
Schneider Electric 140DDI84100	View Schneider Electric 140DDI84100

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