

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
Complete model	170AAI14000
Product role	Modicon Momentum Analog Input Module
System family	Modicon Momentum
Source record	170AAI14000 product specifications and lifecycle record

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



170AAI14000

Technical Specifications

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

ENGINEERING 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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Schneider Electric 170ADI35000	View Schneider Electric 170ADI35000
Schneider Electric 416NHM30030A	View Schneider Electric 416NHM30030A
Schneider Electric 490NRP25400	View Schneider Electric 490NRP25400
Schneider Electric AS-P890-000	View Schneider Electric AS-P890-000
Schneider Electric AS-S908-110	View Schneider Electric AS-S908-110
Schneider Electric 170INT11003	View Schneider Electric 170INT11003

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
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.
6	Check field polarity even though internal reverse-polarity protection is provided.
7	Review the Schneider lifecycle notice and approved replacement plan.
8	Test every enabled channel and the 25 ms update behavior before release.

QUESTION	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 BMXP3420302	View Schneider Electric BMXP3420302
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

FAQ, Related Products and Official 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.

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

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

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