

Schneider Electric 170AAO92100

Analog Output Base / Exact identity and technical profile

The technical decision for 170AAO92100 is controlled by its exact manufacturer identity, published characteristics and documented Modicon Momentum boundary.

Analog outputs	4
Voltage range	+/-10 V
Current range	4 to 20 mA
Data format	Full 16-bit signed
Conversion resolution	12 bits plus sign
Update time	2 ms

TECHNICAL MARKER

Record voltage or current mode for each output.

TECHNICAL MARKER

Preserve scaling and signed-data interpretation.

TECHNICAL MARKER

Retain the configured fail-state choice for every channel.

TECHNICAL MARKER

Verify external supplies and load resistance before connection.

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read 170AAO92100 from the installed label and procurement record
Function evidence	Confirm the published analog output base role in the Modicon Momentum system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept 170AAO92100 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented 170AAO92100 position requires separate engineering approval.

Schneider Electric 170AAO92100

Analog Output Base / Published characteristics

This matrix groups the published 170AAO92100 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact analog output base record.

Analog outputs	4
Voltage range	+/-10 V
Current range	4 to 20 mA
Data format	Full 16-bit signed
Conversion resolution	12 bits plus sign
Update time	2 ms
Fail-state choices	Hold, full scale, or zero
Reverse-polarity protection	Internal
Voltage-output protection	Short-circuit protected
External supply	+/-30 V DC and 24 V DC
Channel indication	4 channel-status LEDs
Isolation to ground	500 V AC

INTERPRETATION

Use every 170AAO92100 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make 170AAO92100 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Schneider Electric suffix cannot fill a missing 170AAO92100 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Schneider Electric 170AAO92100

Analog Output Base / System role and data flow

Analog actuator command

Drives four approved voltage or current-controlled devices.

Process setpoint output

Supplies configured 4-20 mA signals.

Bipolar reference output

Provides plus/minus 10 V where the load is documented.

Momentum base renewal

Restores channel modes, scaling and fail-state behavior.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	170AAO92100 performs its published analog output base role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to 170AAO92100
Published action	The documented analog output base function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each 170AAO92100 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Schneider Electric 170AAO92100

Analog Output Base / Engineering decisions

SUPPORTED IDENTITY

170AAO92100

PUBLISHED FUNCTION

Analog Output Base

SYSTEM CONTEXT

Modicon Momentum

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How many analog outputs are documented for Schneider Electric 170AAO92100?

The manufacturer record for 170AAO92100 specifies 4. Preserve it through selection, installation and acceptance.

Which current range applies to Schneider Electric 170AAO92100?

The published 170AAO92100 value is 4 to 20 mA. The installed configuration must remain within that boundary.

Which conversion resolution applies to Schneider Electric 170AAO92100?

Record 12 bits plus sign for 170AAO92100 and verify the field arrangement against the controlled drawing or project.

What fail-state choices behavior is documented for Schneider Electric 170AAO92100?

170AAO92100 is documented with Hold, full scale, or zero; this value belongs to the verified product configuration.

Which voltage range applies to Schneider Electric 170AAO92100?

Schneider Electric identifies the voltage range as +/-10 V; keep that exact entry in the 170AAO92100 record.

When reviewing 170AAO92100, what is the published data format?

For 170AAO92100, the manufacturer states Full 16-bit signed. Do not replace it with a nearby suffix value.

Which update time applies to Schneider Electric 170AAO92100?

The exact-model source gives 2 ms. Use it together with the actual 170AAO92100 nameplate and installation record.

What reverse-polarity protection behavior is documented for Schneider Electric 170AAO92100?

Use Internal as the 170AAO92100 reverse-polarity protection reference and resolve any field discrepancy before release.

Decision closeout

Close the 170AAO92100 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The 170AAO92100 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Schneider Electric 170AAO92100

Analog Output Base / Evidence and support

Exact product	Schneider Electric 170AAO92100
Technical class	Analog Output Base
Platform	Modicon Momentum
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence
Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Schneider Electric 140ACO13000

[View Schneider Electric 140ACO13000 page](#)

Schneider Electric 140AMM09000

[View Schneider Electric 140AMM09000 page](#)

MANUFACTURER EVIDENCE RECORD

Schneider Electric 170AAO92100 Product Data Sheet

Exact Momentum analog output base characteristics

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Send the exact model, quantity, destination and requested condition for a quotation.

