

APTER POWER INSTALLATION & VERIFICATION REFERENCE

AX561-1TNE968902R1301

Field checklist for mixed analog acquisition and output range matching

ENGINEERING LENS	MIXED ANALOG ACQUISITION AND OUTPUT RANGE MATCHING
SYSTEM	ABB S500-eCo I/O
SOURCE CONTROL	Manufacturer-published information only

This separate field reference focuses on mixed analog acquisition and output range matching. It does not replace the current ABB installation, safety, or commissioning instructions.

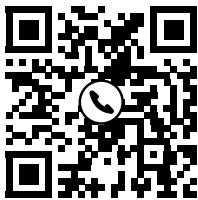
Manufacturer	ABB
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for mixed analog acquisition and output range matching.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE
AX561-1TNE968902R1301

1. Pre-Installation Decision Gates

Step	Gate	Required evidence
1	Identity	Match every character of AX561-1TNE968902R1301; photograph all labels, revisions, and option markings.
2	Host architecture	Confirm the exact ABB S500-eCo I/O rack, slot, controller, project, and approved topology.
3	Primary risk	Document the evidence for mixed analog acquisition and output range matching before disconnection or energization.
4	Electrical / signal	Verify supply, signal type, range, polarity, grounding, shielding, pinout, and load from the exact manufacturer document.
5	Lifecycle	ABB maintains a current AX561 product page. The reviewed 2020 data sheet marked the article Active; confirm current commercial availability before ordering.
6	Commissioning	Use the manufacturer test procedure, capture measured results, and obtain release authorization before return to service.

Model-Specific Precautions

- Match every character of AX561-1TNE968902R1301 to the physical nameplate before work.
- Use the exact ABB manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

2. Wiring, Configuration and Commissioning Record

Record item	Site entry
Physical model / article	
Serial / hardware revision	
Host system / machine	
Rack / slot / physical location	
Supply and grounding checked	
Signal type / range / pinout	
Firmware / project / calibration backup	
Functional or safety test result	
Technician / reviewer / date	

Stop Condition

Do not energize AX561-1TNE968902R1301 if any suffix, supply, pinout, host-system assignment, safety classification, or mixed analog acquisition and output range matching requirement remains unresolved.

3. Source Basis and Field Handover

Official manufacturer source

ABB AX561 product page, AX561 data sheet 3ADR010038, and ABB PLC help ordering data.

<https://www.abb.com/global/en/products/1tne968902r1301>

Handover Checklist

Handover item	Status
Manufacturer document attached	
Nameplate photographs archived	
Project / settings backup archived	
Test evidence approved	
Lifecycle or migration action recorded	

Important Notice

This Apter Power checklist is not a ABB installation instruction. The current manufacturer documentation, physical nameplate, host-equipment manual, safety study, and site procedures control all work.

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