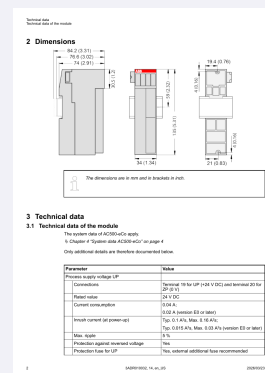


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

ABB AI562

Two-channel RTD Input Module



PRODUCT	AI562
FAMILY	AC500 / S500-eCo I/O
FUNCTION	Two-channel RTD Input Module
STATUS	Verify exact configuration

Prepared by Amikon Limited from ABB 3ADR010032 rev.14, 2026-03-23; AI562 connections. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

RTD input channels	2 configurable inputs in one group
Sensor wiring	2-wire or 3-wire RTD
RTD families	Pt100, Pt1000, Ni100, Ni1000
Resistance ranges	150 ohm and 300 ohm
RTD resolution	0.1 deg C
Process supply	24 V DC; -15% to +20%
Process-supply current	40 mA before E0; 20 mA for E0 or later

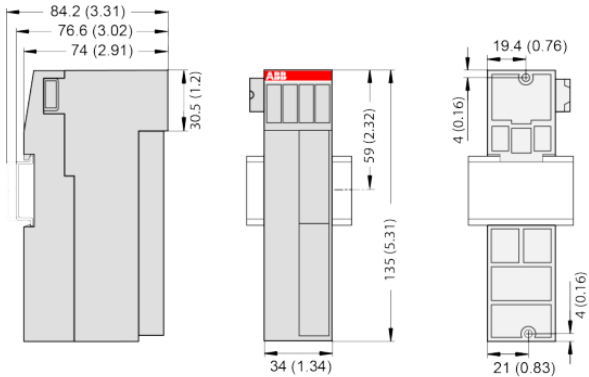
02 MOUNTING AND CONNECTION

- Qualified personnel must isolate all supply and process voltages before fitting, removing or wiring AI562.
- Fit the module on the specified DIN rail or M4 wall mounting; keep natural-convection paths unobstructed.
- Select an 11-pin TA563-11, TA564-11 or TA565-11 terminal block; these are ordered separately.
- Connect 24 V DC to UP terminal 19 and 0 V to ZP terminal 20 using an appropriate SELV/PELV supply.
- Use the ABB two-wire or three-wire RTD drawing. Do not connect signals to reserved terminal 16.

OFFICIAL INSTALLATION REFERENCE

Technical data
Technical data of the module

2 Dimensions



 The dimensions are in mm and in brackets in inch.

3 Technical data

3.1 Technical data of the module

The system data of AC500-eCo apply.
↗ Chapter 4 "System data AC500-eCo" on page 4
Only additional details are therefore documented below.

Parameter	Value
Process supply voltage UP	
Connections	Terminal 19 for UP (+24 V DC) and terminal 20 for ZP (0 V)
Rated value	24 V DC
Current consumption	0.04 A; 0.02 A (version E0 or later)
Inrush current (at power-up)	Typ. 0.1 A²s, Max. 0.16 A²s; Typ. 0.015 A²s, Max. 0.03 A²s (version E0 or later)
Max. ripple	5 %
Protection against reversed voltage	Yes
Protection fuse for UP	Yes, external additional fuse recommended

Official manufacturer reference reproduced from ABB 3ADR010032 rev.14, 2026-03-23; AI562 connections. Use the current source document and all referenced drawings and notes for installation.

04

CABLE ROUTING AND CONNECTION

- Fit the module on the specified DIN rail or M4 wall mounting; keep natural-convection paths unobstructed.
- Select an 11-pin TA563-11, TA564-11 or TA565-11 terminal block; these are ordered separately.
- Connect 24 V DC to UP terminal 19 and 0 V to ZP terminal 20 using an appropriate SELV/PELV supply.
- Use the ABB two-wire or three-wire RTD drawing. Do not connect signals to reserved terminal 16.
- Restore channel selection and inspect readings against the actual sensors before releasing the process.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Check channel readings and fault diagnostics against the connected sensors.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	ABB 3ADR010032 rev.14, 2026-03-23; AI562 connections
Product record	AI562
Manufacturer	ABB
Support	INFO@AMIKON.CN