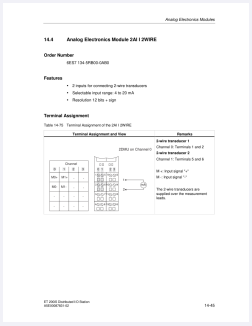
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7134-5RB00-0AB0

Two-channel two-wire current input



PRODUCT	6ES7134-5RB00-0AB0
FAMILY	SIMATIC ET 200iS 2AI I 2WIRE
FUNCTION	Two-channel two-wire current input
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Analog input channels	Two
Transducer connection	Two-wire, loop-powered
Nominal input range	4...20 mA
Conversion resolution	12 bits plus sign
Maximum shielded cable	200 m
Maximum sensor supply current	23 mA per channel

02 PREPARATION AND CONNECTION

- Use the site-approved hazardous-area isolation and installation procedure.
- Fit the exact 2AI I 2WIRE execution to the compatible ET 200iS terminal module.
- Connect channel 0 at terminals 1/2 and channel 1 at terminals 5/6.
- Validate intrinsic-safety loop limits against the applicable control drawing.

03

OFFICIAL INSTALLATION REFERENCE

14.4 Analog Electronics Module 2AI I 2WIRE

Order Number

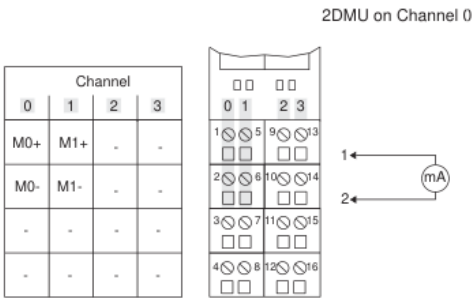
6ES7 134-5RB00-0AB0

Features

- 2 inputs for connecting 2-wire transducers
- Selectable input range: 4 to 20 mA
- Resolution 12 bits + sign

Terminal Assignment

Table 14-75 Terminal Assignment of the 2AI I 2WIRE

Terminal Assignment and View	Remarks
	**2-wire transducer 1** Channel 0: Terminals 1 and 2 **2-wire transducer 2** Channel 1: Terminals 5 and 6 M +: Input signal "+" M -: Input signal "-" The 2-wire transducers are supplied over the measurement leads.

Official manufacturer page reproduced at its original aspect ratio.

Published by Amikon Limited

04 COMMISSIONING CHECKS

01	Confirm 5RB00 rather than four-wire 5RB50 or HART 5TB00.
02	Inspect both loop polarities and the terminal-module assignment.
03	Verify the approved transducer and cable safety parameters.
04	Configure current range, smoothing and diagnostics.
05	Test both current values with an approved loop source.
06	Confirm SF diagnostics and station communication.

05 CONTROLLED DOCUMENT

Official source	Siemens ET 200iS Manual A5E00087831-02, chapters 6 and 14.4.
Product record	6ES7134-5RB00-0AB0
Manufacturer	Siemens
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**