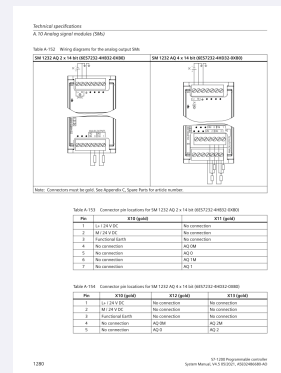


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7232-4HB32-0XB0

SM 1232 AQ 2 x 14 bit



PRODUCT	6ES7232-4HB32-0XB0
FAMILY	SIMATIC S7-1200
FUNCTION	SM 1232 AQ 2 x 14 bit
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens S7-1200 A5E02486680-AO; S200 PT1 11/2024. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Analog output channels	2
Voltage output range	-10 to +10 V
Current output ranges	0 to 20 mA or 4 to 20 mA
Voltage resolution	14 bits
Current resolution	13 bits
Voltage load impedance	At least 1000 ohms
Current load impedance	Maximum 600 ohms

02 MOUNTING AND CONNECTION

- Isolate power and place the controlled process in an approved maintenance state before wiring.
- Connect the supply and functional earth as shown in the exact two-channel diagram.
- Use the specified gold terminals and identify AQ0/AQ0M and AQ1/AQ1M correctly.
- Match voltage or current mode and load impedance to the receiving device.
- Configure output scaling, diagnostic handling and last-value or substitute-value behavior on STOP.

OFFICIAL INSTALLATION REFERENCE

Technical specifications

A.10 Analog signal modules (SMs)

Table A-152 Wiring diagrams for the analog output SMs

SM 1232 AQ 2 x 14 bit (6ES7232-4HB32-0XB0)	SM 1232 AQ 4 x 14 bit (6ES7232-4HD32-0XB0)
Note: Connectors must be gold. See Appendix C, Spare Parts for article number.	

Table A-153 Connector pin locations for SM 1232 AQ 2 x 14 bit (6ES7232-4HB32-0XB0)

Pin	X10 (gold)	X11 (gold)
1	L+ / 24 V DC	No connection
2	M / 24 V DC	No connection
3	Functional Earth	No connection
4	No connection	AQ 0M
5	No connection	AQ 0
6	No connection	AQ 1M
7	No connection	AQ 1

Table A-154 Connector pin locations for SM 1232 AQ 4 x 14 bit (6ES7232-4HD32-0XB0)

Pin	X10 (gold)	X12 (gold)	X13 (gold)
1	L+ / 24 V DC	No connection	No connection
2	M / 24 V DC	No connection	No connection
3	Functional Earth	No connection	No connection
4	No connection	AQ 0M	AQ 2M
5	No connection	AQ 0	AQ 2

04

CABLE ROUTING AND CONNECTION

- Connect the supply and functional earth as shown in the exact two-channel diagram.
- Use the specified gold terminals and identify AQ0/AQ0M and AQ1/AQ1M correctly.
- Match voltage or current mode and load impedance to the receiving device.
- Configure output scaling, diagnostic handling and last-value or substitute-value behavior on STOP.
- Test both channels under load and verify the complete actuator response before automatic operation.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Check both analog channels under load and verify the configured STOP response.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens S7-1200 A5E02486680-AO; S200 PTI 11/2024
Product record	6ES7232-4HB32-0XB0
Manufacturer	Siemens
Support	INFO@AMIKON.CN