

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Siemens 6ES7921-5AK20-0AA0

Analog Front Connector Module

RANGE	I/O	CABLE	ROLE
SIMATIC TOP connect	Analog, 40-pole	4 x 16-pole IDC	Front connector

For qualified personnel only. Isolate the affected equipment and secure it against reconnection before working on this connector. Use the original Siemens procedure and the approved project wiring together.

01

PREPARATION AND MOUNTING CHECKS

Identity	Match the complete order number and the delivered hardware edition.
I/O selection	Confirm a compatible 40-pole analog I/O module and the TPA terminal-module arrangement.
Power isolation	Verify the load supply is isolated before connecting or removing the assembly.
Pre-wiring position	Use the front connector pre-wiring position as described in the original procedure.
Final seating	Confirm the connector is fully seated and secured in the specified operating position.

Siemens safety and mounting procedure - original pp. 19-30

This reference supplements, but does not replace, the complete original safety and installation instructions.

02 CONNECTIONS AND INSPECTION

Analog mapping	Check all four IDC cable assignments against the analog terminal mapping. Do not use digital-connector mappings.
Potential feed	Follow the analog I/O module infeed arrangement. Auxiliary terminal labels alone do not establish an internal connection.
Shield termination	Use the I/O shield element or the terminal-module shield plate as specified by the project and manufacturer.
Cable retention	Check orientation, routing and strain relief before closing the module front cover.
Commissioning	Inspect each analog signal path against the approved design before releasing the equipment for operation.

03 ORIGINAL DRAWINGS INCLUDED

- Next page: exact-model dimension drawing, original Figure A-3, Siemens page 74.
- Final page: exact-model circuit diagram, original Figure B-3, Siemens page 91.
- Original drawing pages are unchanged. Their printed page numbers are retained.

Original dimension drawing - Siemens page 74

Original circuit diagram - Siemens page 91

Maximum electrical limits differ between the historical wiring manual and current catalog. Confirm the correct ratings for the delivered hardware; this guide does not reconcile them by assumption.

Front connector module 6ES7921-5AK20-0AA0

8-bit, for analog modules

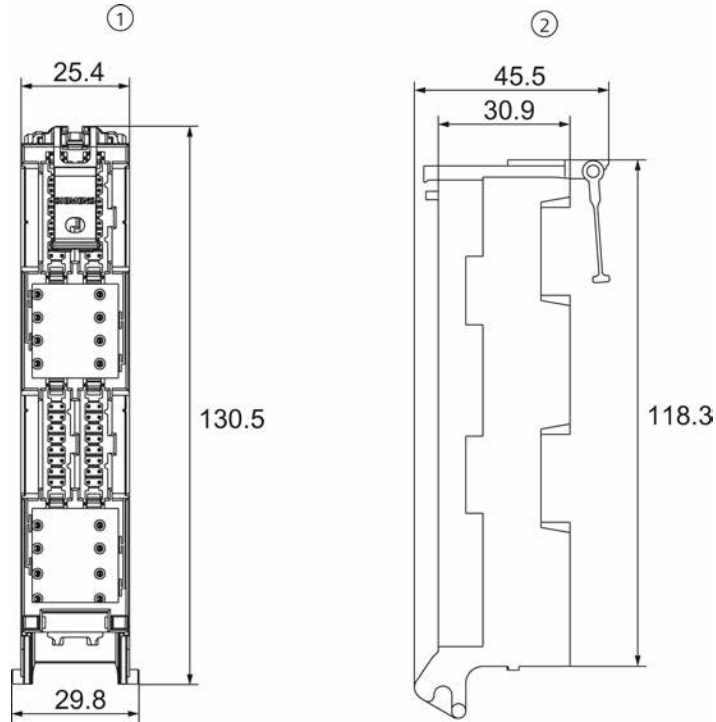


Figure A-3 6ES7921-5AK20-0AA0

Front connector module 6ES7921-5AK20-0AA0

For analog I/O modules

Front connector module for connecting 4 x 16-pin connecting cables

Article number

6ES7921-5AK20-0AA0

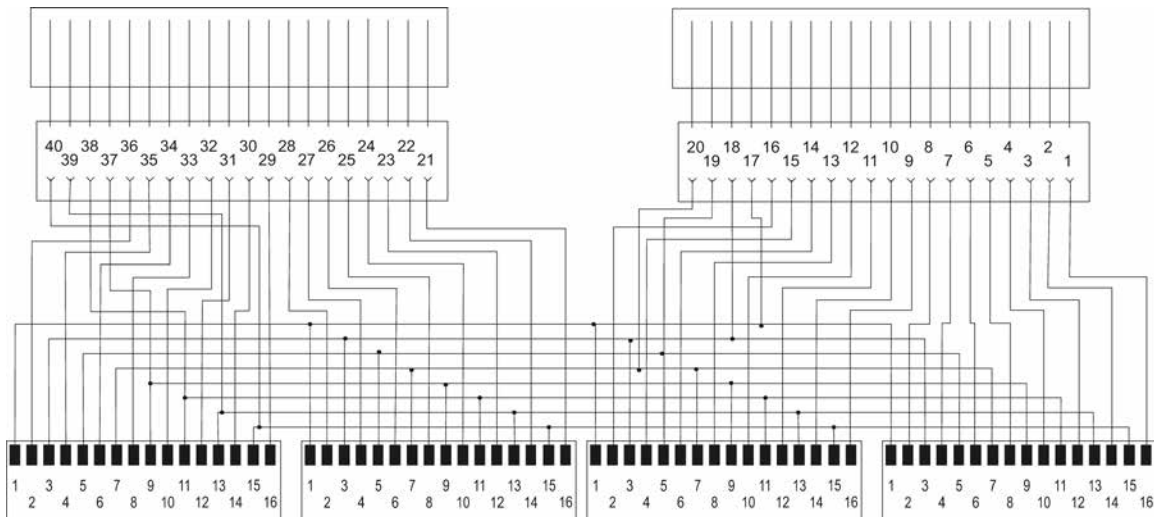


Figure B-3 6ES7921-5AK20-0AA0