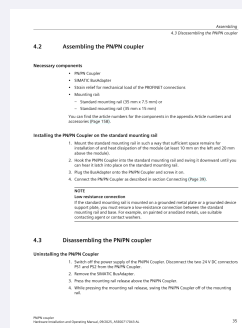


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7158-3AD10-0XA0

PN/PN coupler



PRODUCT	6ES7158-3AD10-0XA0
FAMILY	SIMATIC distributed I/O
FUNCTION	PN/PN coupler
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens Simatic S7 documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

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02

PREPARATION AND CONNECTION

- Confirm the complete 6ES7158-3AD10-0XA0 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

4.2 Assembling the PN/PN coupler

Necessary components

- PN/PN Coupler
- SIMATIC BusAdapter
- Strain relief for mechanical load of the PROFINET connections
- Mounting rail:
 - Standard mounting rail (35 mm x 7.5 mm) or
 - Standard mounting rail (35 mm x 15 mm)

You can find the article numbers for the components in the appendix Article numbers and accessories (Page 158).

Installing the PN/PN Coupler on the standard mounting rail

1. Mount the standard mounting rail in such a way that sufficient space remains for installation of and heat dissipation of the module (at least 10 mm on the left and 20 mm above the module).
2. Hook the PN/PN Coupler into the standard mounting rail and swing it downward until you can hear it latch into place on the standard mounting rail.
3. Plug the BusAdapter onto the PN/PN Coupler and screw it on.
4. Connect the PN/PN Coupler as described in section Connecting (Page 39).

NOTE

Low resistance connection

If the standard mounting rail is mounted on a grounded metal plate or a grounded device support plate, you must ensure a low-resistance connection between the standard mounting rail and base. For example, on painted or anodized metals, use suitable contacting agent or contact washers.

4.3 Disassembling the PN/PN coupler

Uninstalling the PN/PN Coupler

1. Switch off the power supply of the PN/PN Coupler. Disconnect the two 24 V DC connectors PS1 and PS2 from the PN/PN Coupler.
2. Remove the SIMATIC BusAdapter.
3. Press the mounting rail release above the PN/PN Coupler.
4. While pressing the mounting rail release, swing the PN/PN Coupler off of the mounting rail.

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Siemens official installation documentation
Product record	6ES7158-3AD10-0XA0
Manufacturer	Siemens Simatic S7
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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