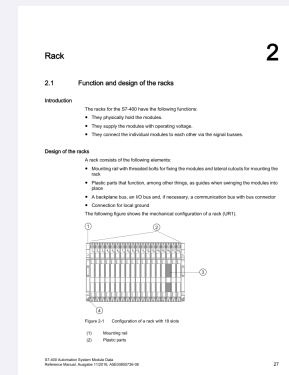


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7400-1TA11-0AA0

UR1 Aluminum Rack



PRODUCT	6ES7400-1TA11-0AA0
FAMILY	SIMATIC S7-400
FUNCTION	UR1 Aluminum Rack
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens S7-400 A5E00850736-08, 11/2016; ST 400, 05/2017. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Single-width slots	18
Mounting rail material	Aluminum
Rack width	482.5 mm
Rack height	290 mm
Rack depth	27.5 mm
I/O backplane bus	Present
Communication backplane bus	Present

02 MOUNTING AND CONNECTION

- Have qualified personnel isolate the affected station and follow the complete S7-400 installation procedure.
- Check the UR1 mounting drawing and cabinet space for the rack plus installed modules and wiring.
- Identify and provide the documented local-ground connection before the completed station is energized.
- Restore the approved slot allocation and inspect guides and backplane connectors before fitting modules.
- Use only modules permitted for the selected central or expansion role; observe the IM 461-1 supply restriction.

Rack

2

2.1 Function and design of the racks

Introduction

The racks for the S7-400 have the following functions:

- They physically hold the modules.
- They supply the modules with operating voltage.
- They connect the individual modules to each other via the signal busses.

Design of the racks

A rack consists of the following elements:

- Mounting rail with threaded bolts for fixing the modules and lateral cutouts for mounting the rack
- Plastic parts that function, among other things, as guides when swinging the modules into place
- A backplane bus, an I/O bus and, if necessary, a communication bus with bus connector
- Connection for local ground

The following figure shows the mechanical configuration of a rack (UR1).

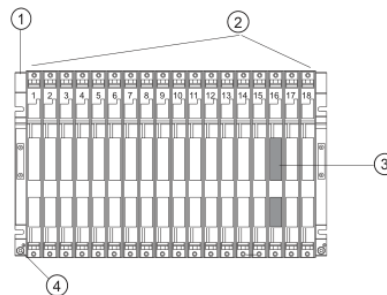


Figure 2-1 Configuration of a rack with 18 slots

- (1) Mounting rail
- (2) Plastic parts

Official manufacturer reference reproduced from Siemens S7-400 A5E00850736-08, 11/2016; ST 400, 05/2017. Use the current source document and all referenced drawings and notes for installation.

04

CABLE ROUTING AND CONNECTION

- Check the UR1 mounting drawing and cabinet space for the rack plus installed modules and wiring.
- Identify and provide the documented local-ground connection before the completed station is energized.
- Restore the approved slot allocation and inspect guides and backplane connectors before fitting modules.
- Use only modules permitted for the selected central or expansion role; observe the IM 461-1 supply restriction.
- Verify the completed station configuration and diagnostic state before releasing the equipment.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Verify the complete rack configuration, module seating and station diagnostics.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens S7-400 A5E00850736-08, 11/2016; ST 400, 05/2017
Product record	6ES7400-1TA11-0AA0
Manufacturer	Siemens
Support	INFO@AMIKON.CN