

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

PRODUCT BRAND

Siemens

PRODUCT MODEL

6AG1315-2EH14-2AY0

SIPLUS S7-300 CPU 315-2 PN/DP with 384 KB work memory, MPI/PROFIBUS DP and PROFINET interfaces.

OFFICIAL SOURCE

S7-300 CPU 31xC and CPU 31x Installation Operating Instructions

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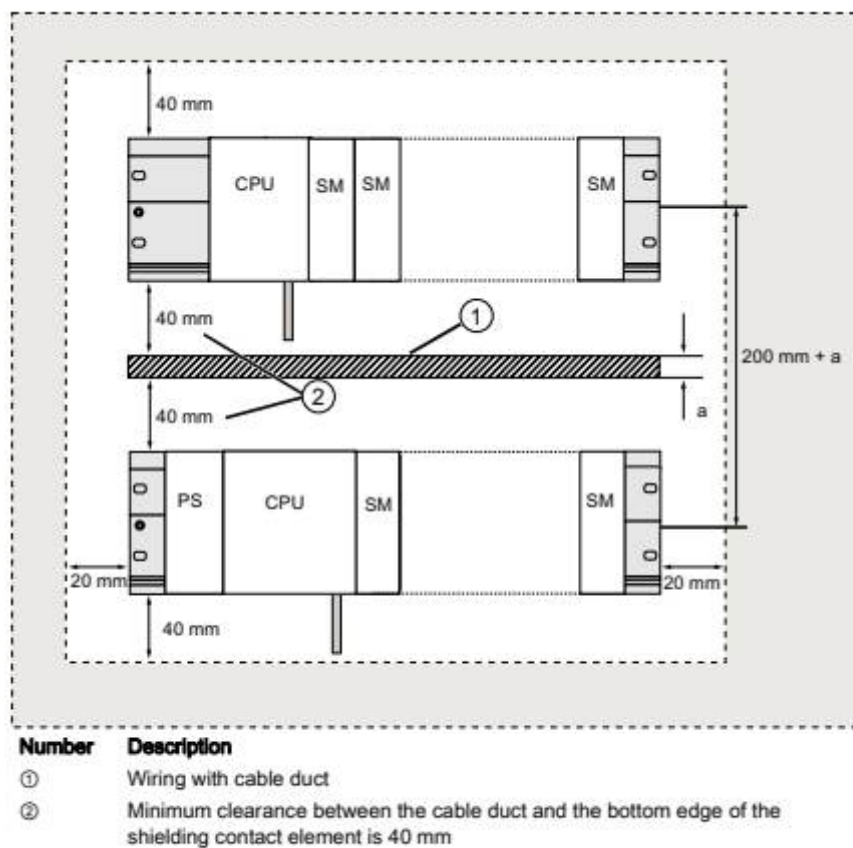
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4.4 Specified clearances

You must maintain the clearance shown in the figure in order to provide sufficient space for installing the modules, and to allow the dissipation of heat generated by the modules.

The S7-300 assembly on multiple racks shown in the figure below shows the clearance between racks and adjacent components, cable ducts, cabinet walls etc.

For example, when routing your module wiring through cable duct, the minimum clearance between the bottom of the shield connection element and the cable duct is 40 mm.



5.3 Installing modules on the mounting rail

Requirements for module installation

- The configuration of the automation system is completed.
- The mounting rail is installed.

Mounting order of the modules

Hang the modules onto the rail, starting at the left and in the following order:

1. Power supply module
2. CPU
3. SMs, FMs, CPs, IMs

Note

Please check **before** you insert any SM 331 analog input modules whether you have to reposition the measuring range submodules at the side of the module. For more information see the "Analog Modules" chapter in the *Module Data Manual*.

Note

When installing an S7-300 system with ungrounded reference potential, make the relevant settings on the CPU. You ideally do so before you mount any modules onto the rail.

! DANGER

Proceed step-by-step. Do not go to the next step unless you have completed the previous one without error / error message.

Reaction to errors

React to errors as follows:

- Check the system with the help of the check list in the chapter below.
- Check the LED displays on all modules. For information on their meaning, refer to the chapters describing the relevant modules.
- If required, remove individual components to trace the error.

Reference

Important notes can also be found in the section *Debugging Functions, Diagnostics and Troubleshooting*.

See also

Procedure: Commissioning the hardware (Page 129)

8.3 Commissioning check list**Introduction**

After you mounted and wired your S7-300, we advise you to check all previous steps once again.

The check list tables below are a guide for your examination of the S7-300. They also provide cross-references to chapters containing further information on the relevant topic.

Racks

Points to be examined are in the manual	S7-300: Installation in chapter
Are the rails mounted firmly to the wall, in the frame or in the cabinet?	Configuring, Installation
Have you maintained the free space required?	Configuring, Installation
Are the cable ducts installed properly?	Configuring
Is the air circulation OK?	Installing