

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

PRODUCT BRAND

Siemens

PRODUCT MODEL

6AG1153-2BA10-2XY0

SIPLUS ET 200M IM 153-2 High Feature PROFIBUS DP interface module for up to 12 S7-300 modules.

OFFICIAL SOURCE

ET 200M Operating Instructions

EWA-4NEB7806006-09

[Open current Siemens source](#)

Preface

Purpose of the operating instructions

The information in these operating instructions enables you to operate an IM 153 Interface Module together with the modules of the S7-300 spectrum in the ET 200M distributed I/O system as DP slave.

Basic knowledge required

A basic knowledge of automation technology is required to understand the operating instructions.

Scope of the operating instructions

Module	Order number	As of product version
IM 153-1	6ES7153-1AA03-0XB0	02
IM 153-2	6ES7153-2BA10-0XB0	01
	6ES7153-2BA70-0XB0	01
IM 153-4 PN	6ES7153-4AA00-0XB0	01
	6ES7153-4AA01-0XB0	01

Agreement: In the following, the designation IM 153-x is used in the operating instructions, except if a description refers directly to a special version of the IM 153-x.

A variant of the IM 153-1 as well as the IM 153-2 is additionally available as a module for use in extended environmental conditions ("Outdoor"). You can find the climatic and mechanical ambient conditions under which you can use this IM 153-1 / -2 in the reference manual "S7-300 automation system, module specifications (<http://support.automation.siemens.com/WW/view/en/8859629>)".

For the new revision of the IM 153-x, we reserve the right to enclose a product information with current information for the corresponding IM 153-x Interface Module or the operating instructions.

You can also find this product information on the Internet (<http://support.automation.siemens.com/WW/llisapi.dll?func=cslib.csinfo2&aktprim=99&lang=en>). Look for "IM 153-2" there, for example.

4.2.3 Installing modules on the mounting rail (standard installation)

Accessories

The accessories you need for installation are included with the modules. The appendix "Order Numbers for ET 200M (Page 247)" contains a list of accessories and spare parts with the corresponding order numbers.

Table 4- 2 Module accessories

Module	Included accessories	Description
IM 153-x	1 x slot number label	For assigning slot numbers
Signal module (SM)	Bus connectors	For establishing the electrical connections between the modules
	Labeling strip	For labeling the input and output points on the module

Sequence when hanging the modules

Hang the modules onto the rail as follows:

1. Power supply module
2. IM 153-x
3. Signal module(s)

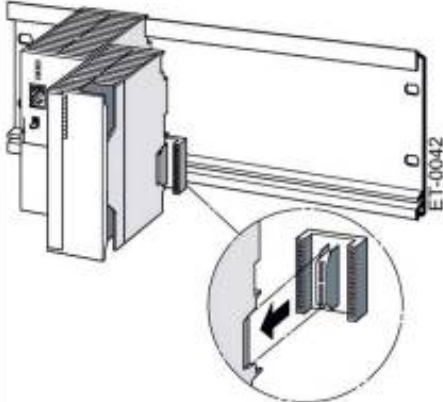
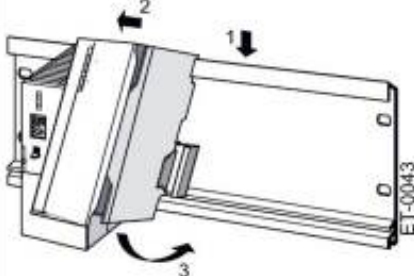
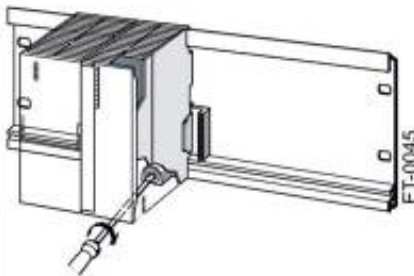
Note

If you are installing SM 331 analog input modules, please check **before** installation whether you have to move the measuring range submodules on the side of the module. (Refer to chapter "Analog modules" in the "S7-300 automation system, module specifications (<http://support.automation.siemens.com/WW/view/en/8859629>)" reference manual.)

Sequence for Installation

Proceed as follows to install the modules:

Table 4- 3 Installing modules on mounting rails

Step	Activity	Figure
1.	Hook the power supply unit PS 307 onto the rail and screw it tight.	
2.	Clip on the bus connector. A bus connector is included with each signal module, but not however with the IM 153-x. When installing the bus connector always start with the IM 153-x: - Take the bus connector from the "last" module and insert it in the IM 153-x. - Do not plug a bus connector into the "last" module. Do not insert any bus connectors between the PS 307 and IM 153-x!	 ET-0042
3.	Hook the modules onto the rail (1), slide them along as far as the module on the left (2), and swing them down into place (3).	 ET-0043
4.	Bolt the modules tight, applying a torque of between 0.8 and 1.1 Nm.	 ET-0045