Preface

Purpose of the manual

The information contained in this manual can be used as a reference to operating, to functions, and to the technical data of the signal modules, power supply modules and interface modules of the S7-300.

Refer to the relevant S7-300 or ET 200M manuals to find out how to assemble and wire the modules for system installation.

Basic knowledge required

This manual presumes general knowledge in the field of automation engineering.

Range of validity of this manual

The manual describes the components based on the data valid at the time of its release.

SIEMENS reserves the right to include product information for each new module of a later version.

Changes compared to the previous version

Changes / enhancements compared to the previous version described in this manual:
Comments on the previous version of this manual are included in the current edition.

Position in the overall documentation structure

The following documentation is part of the S7-300 documentation package. You can find this on the Internet and the corresponding entry ID.

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<th>Name of the manual</th>
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<td>Manual</td>
<td>Control and display elements, communication, memory concept, cycle and reaction times, technical data</td>
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### Preface

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6/16/2019

### Name of the manual | Description
--- | ---
**Programming manual**
Migration from PROFIBUS DP to PROFINET IO
Entry ID: 19289930 | Guideline for migration from PROFIBUS DP to PROFINET IO.

**Manual**
- CPU 31xC: Technological functions
  Entry ID: 12429336
- CD containing examples
  Description of the technological functions: positioning, counting, point-to-point coupling, loop control.
  The CD contains examples of the technological functions.

**YOU ARE CURRENTLY READING the Manual**
S7-300 Automation System: Module Data
Entry ID: 8859629 | Description of the functions and technical data of signal/ power supply/ interface modules.

**Instructions List**
- CPU 31xC, CPU 31x,
  IM151-7 CPU, IM154-8 CPU, BM 147-1 CPU, BM147-2 CPU
  Entry ID: 13206730
- CPU 312, CPU 314, CPU 315-2 DP
  CPU 315-2 PN/DP, CPU 317-2 PN/DP, CPU 319-3 PN/DP as of V3.0
  Entry ID: 31977679
  List of the CPU's instruction set and corresponding execution times. List of executable blocks (OBs, SFCs, SFBs) and their execution times.

**Getting Started**
Available anthology of Getting Started manuals:
- S7-300 Getting Started
  Entry ID: 15390497
- PROFINET Getting Started Collection
  Entry ID: 19290251
  Using concrete examples, the Getting Started documentation provides step-by-step instructions focused on commissioning a fully functional application.

### Other manuals on S7-300 and ET 200M

### Name of the manual | Description
--- | ---
**Reference Manual**
- CPU Data: CPU 312 IFM - 318-2 DP
  Entry ID: 8860591 | Control and display elements, communication, memory concept, cycle and reaction times, technical data

**Software Installation Manual**
S7-300 Automation System: Installation: CPU 312 IFM – 318-2 DP
Entry ID: 15390415 | Project design, installation, wiring, addressing, commissioning, maintenance and test functions, diagnostics and troubleshooting.

**Configuration manual**
ET 200M signal modules for process automation
Entry ID: 7215812 | Description of integration in process automation, parameter configuration using SIMATIC PDM, digital input modules, digital output modules.
Name of the manual | Description
--- | ---
**Manual**
Distributed I/O Device ET 200M
HART analog modules
Entry ID: 22063748 | Description of configuration and commissioning of HART analog modules.

**Manual**
Distributed I/O Device ET 200M
Entry ID: 1142798 | Description of configuration, assembly and wiring.

**Manual**
SM 335 - High-speed analog mixed module for SIMATIC S7-300
Entry ID: 1398483 | Description of how to use the SM 335 module in a SIMATIC S7-300. Overview of operations, descriptions of functions, and technical data relating to the SM 335.

Sign posts

The manual contains various features supporting quick access to specific information:

- At the beginning of the manual, you will find a complete table of contents.
- Key terms are explained in the glossary.
- You can use the index to find the key parts of the manual.

Approvals


CE approval


RCM (C-Tick) Declaration of conformity for Australia/New Zealand


Standards


Recycling and disposal

Since the S7-300 components only contain low levels of harmful substances, they are suitable for recycling. For ecologically compatible recycling and disposal of your old device, contact a certificated disposal service for electronic scrap.

See also

- [Standards and approvals](http://support.automation.siemens.com/WW/view/en/10805159/133300)
- Docupackage S7_300 (http://support.automation.siemens.com/WW/view/en/10805159/133300)