Configuring by means of the GSD file

You configure the ET 200S distributed I/O system using the GSD file. The ET 200S is linked as norm slave in your system via the GSD file. You can download the GSD file for ET 200S from the Internet (http://support.automation.siemens.com/WW/view/en/652154):

6.2.1.2 Combining modules for configuration

You can only combine digital modules or motor starters with useful data amounting to less than 1 byte.

Introduction

The ET 200S has a maximum address area of:

- IM151-1 BASIC: up to 88 bytes for inputs and 88 bytes for outputs.
- IM151-1 COMPACT: up to 100 bytes for inputs and 100 bytes for outputs.
- IM151-1 STANDARD (up to 6ES7151-1AA03-0AB0), IM151-1 FO STANDARD (up to 6ES7151-1AB02-0AB0) up to 128 bytes for inputs and 128 bytes for outputs.
- IM151-1 STANDARD (from 6ES7151-1AA04-0AB0), IM151-1 HIGH FEATURE: up to 244 bytes for inputs and 244 bytes for outputs.

To better utilize the available address space of the DP master and reduce data exchange between the ET 200S and the DP master, you can group several electronic modules/load feeders within one byte in the input or output area of the process image. This is achieved by the systematic arrangement and designation of the ET 200S electronic modules/motor starters.

A list of the address space requirements for the individual modules is to be found in the appendix.

You can combine the following device types within one byte:

- Digital input modules
- Digital output modules
- Motor starters (direct starters and reversing starters)

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Introduction 1

1.1 Introduction

This product information describes supplements to the *ET 200S Distributed I/O System Operating Instructions* (A5E00515771-03), release 12/2005 and to the *ET 200S Distributed I/O System Manual* (A5E00514527-03), release 12/2005.

The chapter number mentioned in this product information refer to the chapters in the ET 200S Distributed I/O System Operating Instructions (A5E00515771-03), release 12/2005 and to the ET 200S Distributed I/O System Manual (A5E00514527-03), release 12/2005.

Contents of this Product Information

The product spectrum of the ET 200S is supplemented by the 8-channel digital electronic modules 8DI DC24V and 8DO DC24V 0.5A.

Section	Contents of this Product Information	Manual
2.1	Interrupt, error and system messages at 8DI / 8DO	Supplements Chapter 8 of the operating instructions
2.2	Digital electronic module 8DI DC24V	Supplements Chapter 3 in the manual
2.3	Digital electronic module 8 DO DC 24V/0.5A	

Prerequisites for Operating the Digital Electronic Modules with the Interface Modules

Operation of the digital electronic modules 8DI DC24V/ 8DO DC24V 0.5A is possible with the following interface modules from the specified order numbers (or firmware version). There are no limitations at the interface modules listed in the table.

Interface module	As of Order Number	As of Firmware Version
IM 151-1 STANDARD	6ES7151-1AA03-0AB0	---
IM 151-1 FO STANDARD	6ES7151-1AB02-0AB0	---
IM 151-1 HIGH FEATURE	6ES7151-1BA01-0AB0	V2.1.3
IM 151-3 PN IM 151-3 PN HIGH FEATURE IM 151-3 PN FO	6ES7151-3AA20-0AB0 6ES7151-3BA20-0AB0 6ES7151-3BB21-0AB0	V4.0.1

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PRODUCT: 6ES7151-1AA03-0AB0 / SIMATIC ET 200S IM151-1 Standard Interface Module

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