

SIEMENS

SIMATIC

Bus links

Product information DP/DP Coupler

Product Information

Preface

Scope

This product information supplements the device manual DP/DP Coupler (<https://support.industry.siemens.com/cs/us/en/view/1179382>).

Security information

For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. You can find more information about industrial security in the Internet (<http://www.siemens.com/industrialsecurity>).

Product information

Integration of a module pre-configured for fail-safe communication in the GSD

A GSD for a fail-safe device can contain modules with PROFIsafe parameters. These modules and parameters are marked yellow in STEP7 V11 and are password protected.

This is not the case for this GSD, because it does not contain any modules with PROFIsafe parameters.

Consistent data transmission at 4 bytes

You can use SFC 14 and SFC 15 for data lengths starting at 4 bytes, and by doing so achieve consistent data transmission.

Ungrounded infeed

You can also operate the DP/DP coupler on an ungrounded 24 V DC voltage supply.

Firmware update

You can execute a firmware update via the PROFIBUS DP network.

The firmware update is possible via accessible devices and via the configuration of the device if the programming device is connected to the PROFIBUS DP network.

No DPV1 mode via GSD

Configuration of the DPV1 mode is not supported in the DP/DP coupler with the current GSD.

Setting the PROFIBUS address using STEP 7

Requirements:

- The DP/DP coupler is connected to a PROFIBUS network in which a PROFIBUS Master class 1 is located.
- The DP/DP coupler has not yet been configured and assigned parameters by this Master.

Correction to section 4.3.1 Configuring the DP/DP Coupler in STEP 7

The correct wording in the table on page 4-9 in step 7 is:

Important:

- Network 1 inputs are outputs of network 2
- Network 1 outputs are inputs of network 2