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Find the *Siemens SS52* at our website: *Click HERE*

## SS52 communications module

### Overview

Communication module for PROFIBUS DP in master or slave function

### Application

It is especially important to note that the SIMATIC distributed I/O can be connected to the SS52 - e.g.:

- ET 200B/C/L/U/IS and
- Conditionally ET 200M with signal modules, no signal pre-processing modules

If the SS52 is used as PROFIBUS DP master, the associated bus parameters must be calculated on the PC using the parameterizing software COM PROFIBUS and downloaded into the SS52.

### Design

- Submodule which can be inserted in a CS7 slot

### Function

- RS 485 interface for PROFIBUS DP, electrically isolated
- RS 232 interface to parameterize the bus node using COM PROFIBUS. The data set which is generated is downloaded into the SS52 via serial data transfer
- Connection to the bus cable via (also refer to Catalog IK PI):

  - PROFIBUS bus connector with integrated terminating resistors (up to 12 Mbit/s),
    e.g. 6ES7 972-0BB12-0XA0, 6ES7 972-0BB41-0XA0,

  - PROFIBUS bus terminal with integrated terminating resistors and plug-in cable to the SS52 (up to 1.5 Mbit/s),
    e.g. 6GK1 500-0AA10
- 1 diagnostics LED for the interface; located on the PC board
- The SS52 also has the additional functions - shared input, SYNC and FREEZE.
- Data transmission rate: 9.6 kbit/s up to 12 Mbit/s
- Max. 127 slaves can be connected
- Telegram length: max. 244 bytes per slave
- No parameters are required to be set in the DP slave or MPI function

### Technical specifications

| Technical data | |
|---|---|
| Current consumption | +5 V/300 mA<br>+15 V/50 mA<br>-15 V/50 mA |
| Space requirements | 1 slot on CS7 subrack module |
| Weight | 0.2 kg |
| **Suitable DP slaves, e.g.** | |
| SIMATIC S7 | 315-2DP, 413-2DP, 414-2DP, 416-2DP, CP 342-5, CP 443-5 Ext. |
| PC | CP 5511 |
| Machine tools | SINUMERIK 840D |

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