

SIMATIC S7, IF964-DP INTERFACE MODULE DP MASTER FOR S7-400

|                                                       |                                                               |
|-------------------------------------------------------|---------------------------------------------------------------|
| Input current                                         |                                                               |
| from CPU, max.                                        | 450 mA                                                        |
| Power loss                                            |                                                               |
| Power loss, typ.                                      | 2 W                                                           |
| Memory                                                |                                                               |
| Memory size                                           | 256 kbyte; Buffer memory (Dual Port RAM)                      |
| Interfaces                                            |                                                               |
| PROFIBUS DP                                           |                                                               |
| Cable length                                          |                                                               |
| — Cable length, max.                                  | 1 200 m; At 9.6 kbit/s: max. 1200 m; at 12 Mbit/s: max. 100 m |
| 1. Interface                                          |                                                               |
| Physics                                               | RS 485 / PROFIBUS                                             |
| Isolated                                              | Yes                                                           |
| Functionality                                         |                                                               |
| • PROFIBUS DP master                                  | Yes; Default setting                                          |
| • PROFIBUS DP slave                                   | Yes                                                           |
| DP master                                             |                                                               |
| • Transmission rate, max.                             | 12 Mbit/s                                                     |
| • Number of DP slaves, max.                           | 125; depending on the CPU used                                |
| Services                                              |                                                               |
| — PG/OP communication                                 | Yes                                                           |
| — Equidistance                                        | Yes                                                           |
| — SYNC/FREEZE                                         | Yes                                                           |
| — Direct data exchange (slave-to-slave communication) | Yes                                                           |
| Address area                                          |                                                               |
| — Inputs, max.                                        | device-dependent                                              |
| — Outputs, max.                                       | device-dependent                                              |
| User data per DP slave                                |                                                               |
| — Inputs, max.                                        | 244 byte                                                      |
| — Outputs, max.                                       | 244 byte                                                      |
| Communication functions                               |                                                               |
| Number of connections                                 |                                                               |

- overall
- usable for PG communication
  - reserved for PG communication
- usable for OP communication
  - reserved for OP communication

device-dependent

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Dimensions

|        |         |
|--------|---------|
| Width  | 18.2 mm |
| Height | 67 mm   |
| Depth  | 97 mm   |

Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 65 g |
|-----------------|------|

last modified: 03/24/2017 