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Find the *Pilz PSS DP-S* at our website: *Click HERE*

# PROFIBUS-DP-Slave
# PSS DP-S, PSS1 DP-S



PSS1 DP-S
not shown

Standard communications card for connecting to PROFIBUS-DP.

## Features

- Selectable bus address
- Up to 12 MBit/s
- Diagnostic display
- Galvanic isolation between PROFIBUS, PSS and P9/P10
- GSD file available
- Certified by the PROFIBUS User Group

## Approvals

| | PSS DP-S | PSS1 DP-S |
|---|---|---|
| UL | ● | ● |

| Technical Details | PSS DP-S | PSS1 DP-S |
|---|---|---|
| Function | PROFIBUS interface | |
| Application Range | Non-safety-related applications | |
| **Electrical Data** | | |
| Power Consumption | Typ. 380 mA | Typ. 380 mA |
| Interfaces | 9-pin connector (female) | |
| ID number | 0 x 2500 | 0 x 2500 |
| Master Data File | PILZ2500.GSD | PILZ2500.GSD |
| Unit Type | Slave | Slave |
| Baud Rates | 9.6/19.2/93.75/187.5/500 kBit/s<br>1.5/3.0/6.0/12.0 MBit/s | |
| Operating Modes | Freeze, Sync, Auto-Baud | |
| Max. Data Length | 488 Byte | 488 Byte |
| Input Data | 244 Byte | 244 Byte |
| Output Data | 244 Byte | 244 Byte |
| Data Transmission | In words | In words |
| Communications Structure | Using a standard function block | |
| **Mechanical Data** | | |
| Space Requirement | 1 slot | 1 slot |
| Weight | 850 g | 270 g |
| **Environmental Data** | | |
| Protection type (EN 60529, 10/91) | IP 20, installed on module rack | |
| Ambient temperature (DIN IEC 68-2-14, 06/87) | 0 ... +60 C | 0 ... +60 C |
| Storage temperature (EN 60068-2-1/-2, 03/93) | -25 ... +70 C | -25 ... +70 C |
| Climatic suitability | IEC 68-2-30, IEC 68-2-14 | |
| Condensation | Not permitted | |
| Vibration (EN 60068-2-6, 04/95) | Frequency range: 10 ... 100 Hz<br>Amplitude: 0.1 mm, max. 5g | |

| Order References | | |
|---|---|---|
| System | PSS 3000 | PSS 3100 |
| Description | PSS DP-S | PSS1 DP-S |
| Order Number | 301 151 | 302 151 |

## Description

The PSS(1) DP-S communications card for the PSS 3000, PSS 3100 and P9/P10 can be connected to PROFIBUS-DP as a Slave. It is connected via a female 9-pin D-Sub connector on the bus and should be placed in a standard slot on the PSS module rack. The length of the data blocks to be downloaded can be configured separately for input and output data.
The PSS(1) DP-S is operated in conjunction with pre-prepared standard function blocks. The GSD-file is also available to users.

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