PROCENTEC

ComBricks
PROFIBUS module PBS001

The ComBricks PROFIBUS DP slave module has considerable added value for the installation. This module allows the largest multiple cross gateways between PROFINET and PROFIBUS modules which are placed in the backplane. It is the only available device with a powerful 3-in-1 functionality: PROFIBUS DP slave device - ProfiTrace busmonitor - modular repeater.
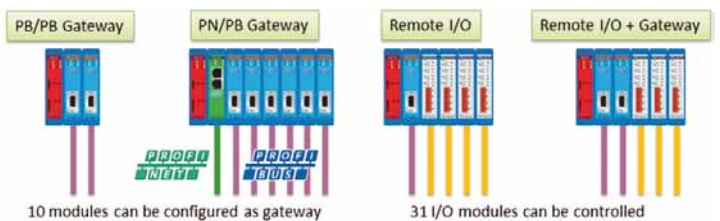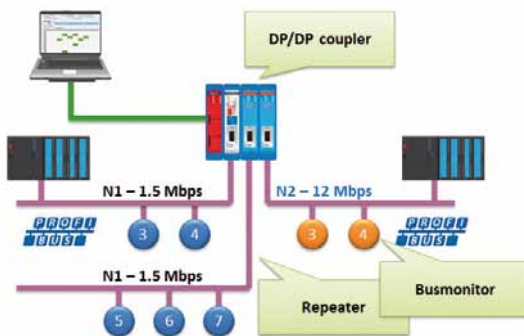
The PROFIBUS DP slave module is the component of choice to establish communication between multiple PROFINET and PROFIBUS controllers that manage their own specific network. The gateway works the same way as regular DP/DP and PN/DP couplers. The data area between the modules is customized with the help of predefined blocks from the GSD files.

ComBricks has the great advantage that ten PROFINET / PROFIBUS modules can exchange information. The configuration steps are actually the same as any other PROFIBUS slave device. By means of the GSD file the respective I/O modules have to be selected in the configuration tool, after which the PLC can make the I/Os available for the software application and the network.

Applications

10 modules can be configured as gateway | 31 I/O modules can be controlled

Product features

PROFIBUS Slave Device

- DP-V0 (certification number: Z01776)
- Ident Number: 696F
- 9.6 kbps..12 Mbps (auto detect and including 45.45 kbps)
- Bus address by dipswitches or set slave address command
- 244 Bytes input and 244 bytes output (128 Bytes I/O per proxy)
- Selectable number of I/O bytes: 1, 2, 3, 4, 8, 12, 16, 20, 24, 28, 32, 64 bytes
- Fail safe: Outputs OFF, Outputs ON, Keep last value, Custom failsafe value
- Simulation input patterns: ON, OFF, Blink, Up counter, Down counter, Zig Zag

Backplane

- 10 Networks (web server), 4 Networks (dipswitches and web server)
- 10 Modules (positioned in the first 10 slots)
- 390 mA current consumption

Repeater

- 1 RS 485 bus channel with DB9 connector
- 31 devices/bus-loads per channel
- 1200 m cable length (depends on baudrate)
- 3.75 Tbit delay time
- No limit in cascading

ProfiTrace Busmonitor

- Live List
- Statistics
- Message recording

Others

- Required Head Station firmware: at least version 1.275
- Operating temperature: 0 .. 60 °C
- Dimensions: 115 x 100 x 25 mm (without backplane)
- Weight: 120 g