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FNL Proxy PN/PB

Integration of PROFIBUS DP
Systems into PROFINET IO
Networks

Integration of PROFIBUS DP into PROFINET IO

The FNL Proxy PN/PB simplifies integration of PROFIBUS DP systems into PROFINET IO networks. Investments already made by manufacturers or consumers can therefore be protected. Installed and commissioned systems are preserved and the variety of 5000 different PROFIBUS devices is still available in the PROFINET IO world. FNL Proxy PN/PB acts as a PROFINET IO device and a PROFIBUS DP Master compliant to the specification of the PROFIBUS Trade Organisation.

The 24 Volt hat rail module contains one PROFIBUS DP interface, four PROFINET IO RT interfaces as well as one RS232 service interface for commissioning and diagnostics.

The proxy integrates both existing and new PROFIBUS DP devices without any modification or adaptation into a PROFINET IO network. The PROFIBUS DP interface supports baud rates from 9.6 Kbit/s to 12 Mbit/s.

The FNL Proxy PN/PB implements a plenty of PROFIBUS diagnostic functions as well as additional features, such as the configurable behaviour of the PROFIBUS DP Master in case of a break down of the PROFINET IO network or the detailed

indication of error codes. Of course, it is also possible to combine several proxies.

COMSOFT's CONFIGURATOR II is available for compilation and download of the PROFIBUS configuration. The comfortable and full graphical tool compiles the PROFIBUS configuration via drag and drop mechanism. The integrated online mode allows direct commissioning and diagnostics of the connected PROFIBUS DP network via Ethernet. CONFIGURATOR II exports a GSDML file compliant to PROFINET IO which can be imported and processed by any PROFINET IO controller configuration tool.

The proxy implemented as PROFINET IO device and based on the Siemens ERTEC

400 PROFINET IO controller supports PROFINET IO according to the current specification 2.0 of the PROFIBUS Trade Organisation and uses the modular mapping procedure. Input and output data as well as diagnostic data of the single DP Slaves are depicted through device modules (slots and sub-slots). Diagnostics are reported by a PROFINET IO alarm.

Furthermore, SNMP diagnostics are included and the TFTP server based firmware update is supported.

Technical Data

Supported PROFIBUS Protocol Versions	PROFIBUS DP/DPV1
Operation Mode	PROFINET IO DEVICE PROFIBUS DP Master
Interfaces	4 x Ethernet PROFINET IO 1 x PROFIBUS DP
Baud Rates	10/100 Mbit/s Ethernet 12 Mbit/s PROFIBUS DP
Power Supply	24 VDC

Manufacturer:

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