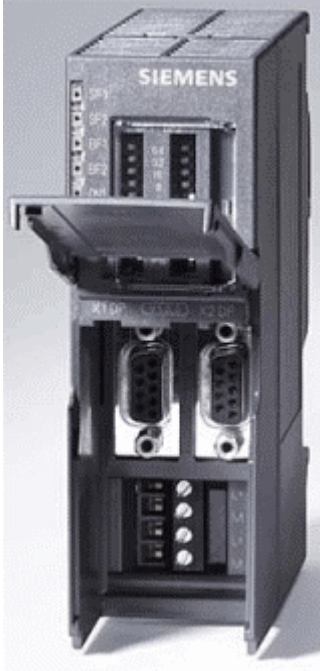


DP/DP Coupler (Ref 40230)



Introduction

The DP/DP coupler is the component of choice to establish communication between 2 DP class 1 masters that control their own specific network.

It consists out of 2 DP slaves which continuously copy the output data to the input data of the other (and vice versa). The slaves have to be integrated in the configuration of the masters (every master controls 1 slave).

The outcome is a mailbox with a maximum of 244 bytes input and 244 bytes output. The networks can have different baudrates and bus parameters. The bus addresses of both slaves can be set by 2 DIP switches.

Application areas

- Coupling small machines.
- Linking networks with different controllers.
- Coupling PROFIsafe networks to regular networks.
- Migrating from old control systems to new control systems.
- Quasi master-master communication.

Product features

General

- Isolation class: IP 20
- Power and bus status monitoring via LEDs

PROFIBUS Specifications

- Connector: DB9
- Baudrate: Max. 12 Mbps
- Bus address: DIP switches
- Data exchange: up to 244 bytes of input and output data
- Galvanic isolation between the DP networks

Power supply specifications

- Operating Voltage: 24 V
- Current consumption: 150 mA

Ambient conditions

- Operating temperature: 0 to +60 °C

Dimensions and Weight

- Dimensions (WxHxD) : 40 x 127 x 117 mm
- Weight: 250 g