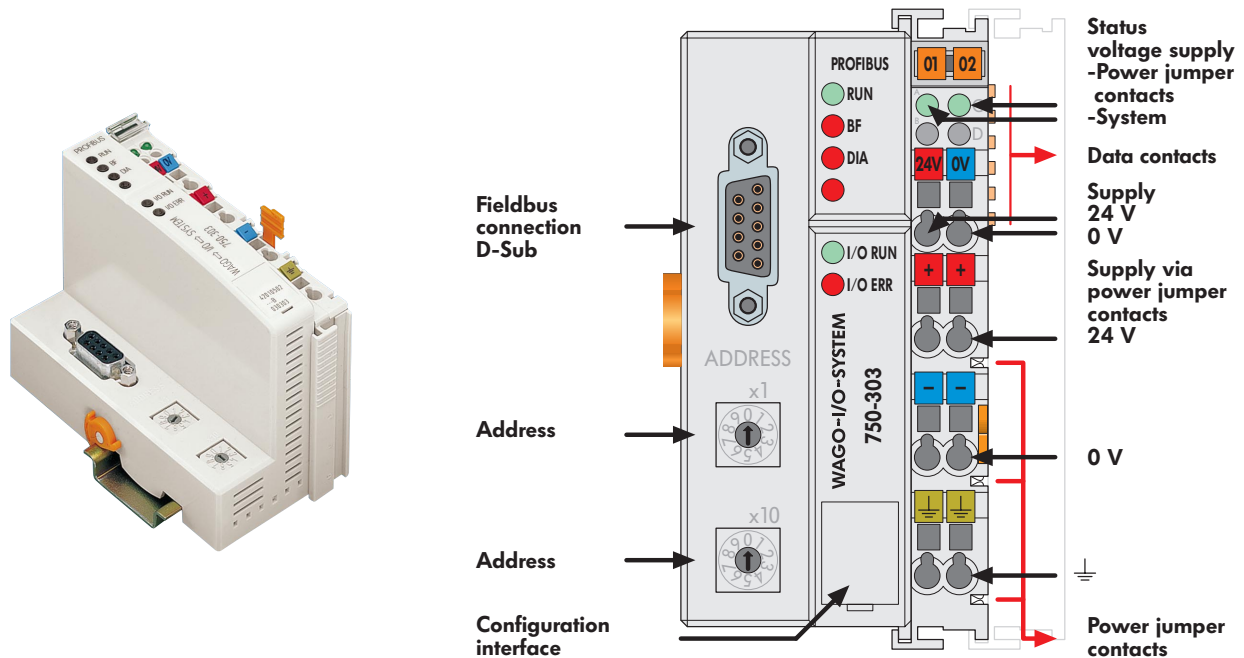


PROFIBUS DP/FMS Fieldbus Coupler; EN 50170; 12 MBaud; digital and analog signals



This buscoupler allows connection of the WAGO \Rightarrow I/O \Rightarrow SYSTEM as a slave to the PROFIBUS fieldbus.

The buscoupler is capable of supporting all I/O modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes, digital data is sent bit by bit.

PROFIBUS allows the storing of the process image in the corresponding Master control (PLC, PC or NC).

The local process image is divided into two data zones containing the data received and the data to be sent.

The process data can be sent via the PROFIBUS fieldbus to the PLC, PC or NC for further processing, and received from the field via PROFIBUS.

The data of the analog modules is stored in the process image which is created automatically according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts with a new byte.

When implementing new installations with PROFIBUS DP, please consider fieldbus coupler 750-333 with extended functions (page 1.020).

Note: GSD files required

Description	Item-No.	Pack.-unit pcs	System Data	
PROFIBUS DP/FMS 12 MBd	750-303	1	Max. no. of nodes	96 with repeater
			Max. no. of I/O points	ca. 6000 (depends on master)
			Transmission medium	Cu cable acc. to EN 50170
			Max. length of fieldbus segment	100 m ... 1200 m
			Baud rate	(depends on the baud rate/on the cable) 9.6 kBaud ... 12 MBaud
			Transmission time	typ. 1 ms (10 nodes; 32 Is, 32 Os per node; with 12 MBaud and digital signals) max. 3.3 ms
			Buscoupler connection	1 x D-Sub 9; socket

