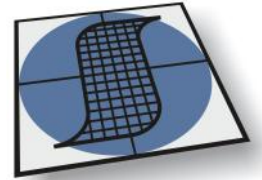
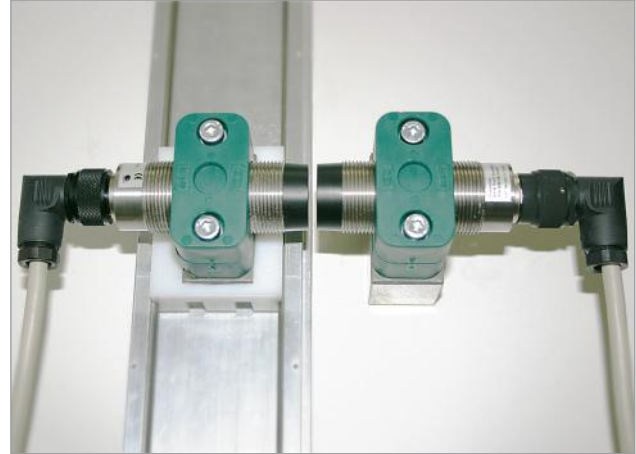


Duplex Coupler GAMMA

Palett identification system



example: transport system



working arrangement of coupling devices

Functions

Duplex power/data coupling device for self-sufficient transport systems.

Power transmission automatically starts when both inductors are located inside the defined interval. Control and transmission status are indicated by LEDs in mobile and stationary unit.

Integrated electronic components control both power supply and processing of data input/output.

Features

- plug and play
- status LED
- actuator/sensor supply 4.8W/24V
- max. air gap 4mm
- IP Code 67 as standard; IP 68 available on request
- short-circuit-proof
- integrated overvoltage protection
- integrated reverse-polarity protection
- 9 digital outputs p-switching and 8 digital inputs each on both stationary and mobile unit 0V/24V (SPS compatible)
- dead time $\leq 20\text{ms}$
- plug connection 19-pole industry type 423/723

Applications

- identification of paletts in transport systems
- placement and completion of assembly carrier frames
- detection of cargo on conveyors
- logging of process steps

Technical Data

Dimensions

length w.o. conn.	80 mm (3.2")
outer thread	M 30 x 1.5

Stationary unit

voltage	24V DC $\pm 10\%$
current	$< 500\text{ mA}$
digital outputs	9
digital inputs	8

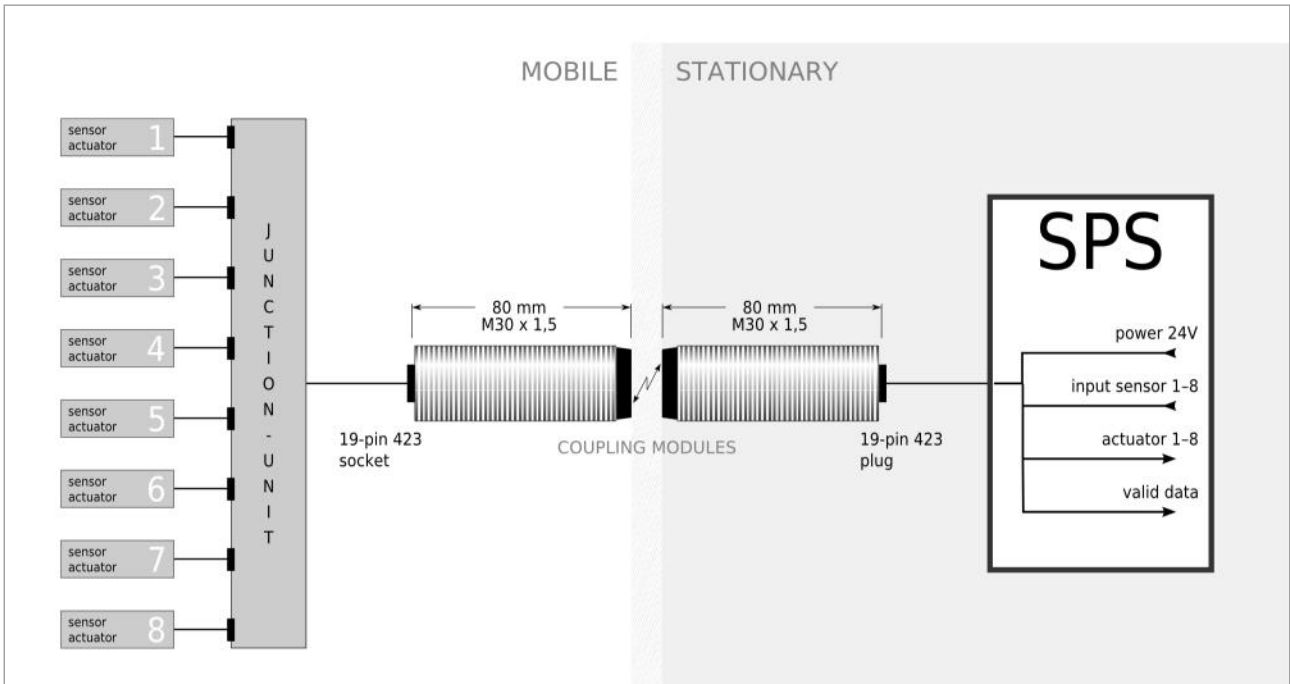
Mobile unit

voltage	24V DC $\pm 10\%$
current	max. 200 mA
digital outputs	9
digital inputs	8

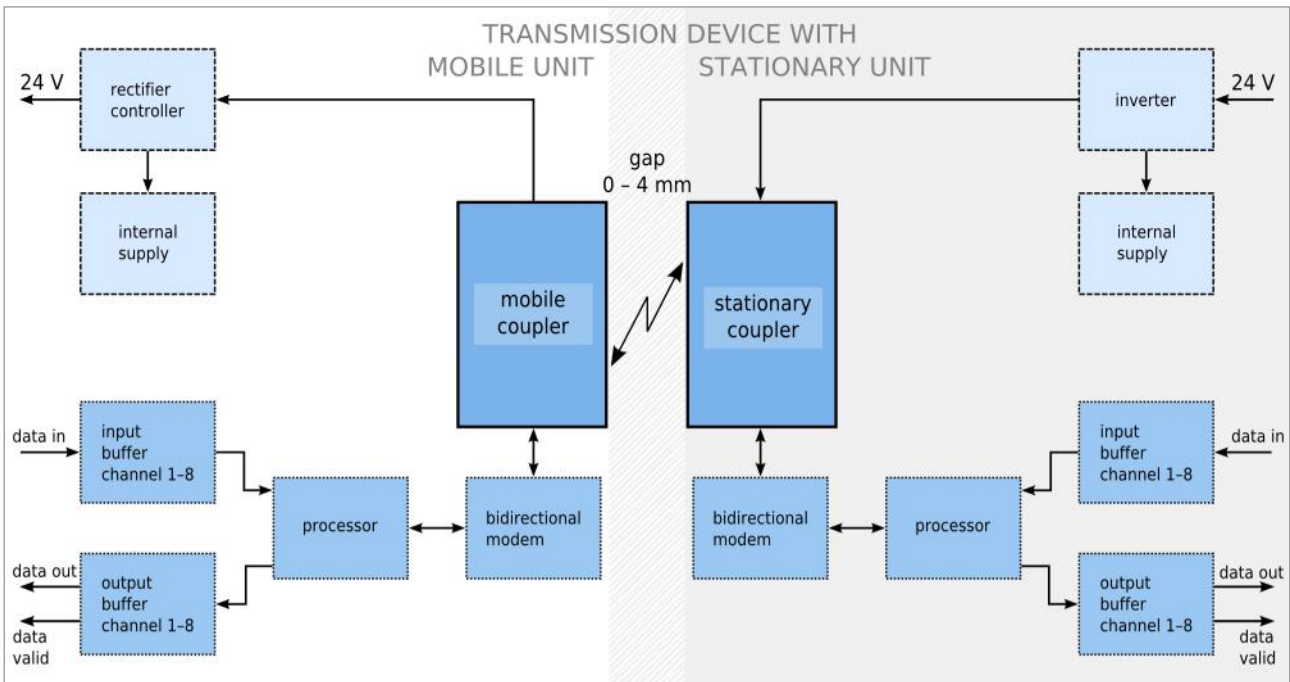
Connection

stationary unit	423 male (19-pole type)
mobile unit	423 female (19-pole type)

Application example



Block diagram



Contact



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