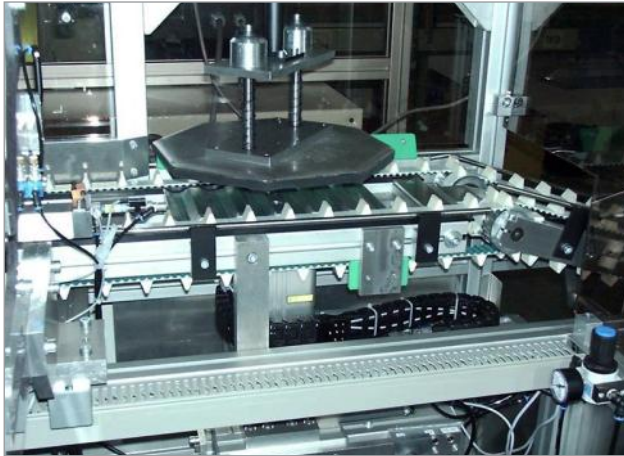
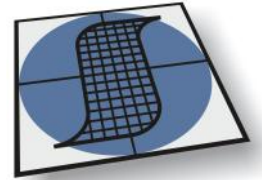
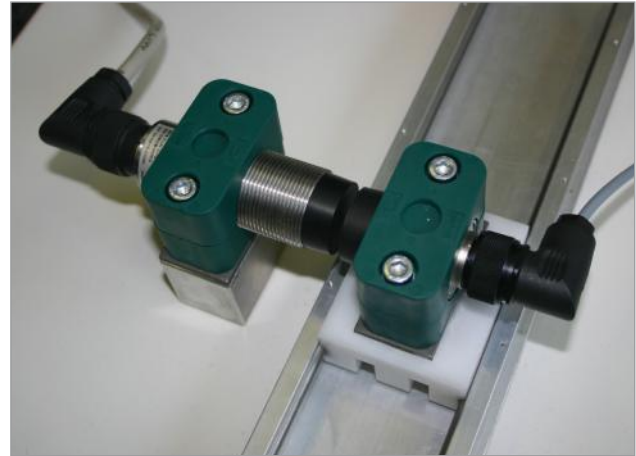


Analog Coupler BETA

Wireless transmission system for analog data and power



application example: packaging machine



working arrangement of coupling device

Functions

Wireless transmission system for analog data and power.

Power transmission automatically starts when both inductors are located inside the defined position. LEDs in mobile and stationary unit indicate control and transmission status.

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

Features

- „Plug and Play“
- status LED
- mobile sensors supply 4.8W/24V
- air gap 0 – 4 mm
- short-circuit-proof
- resolution 12 bit
- integrated surge voltage protection
- integrated reverse-polarity protection
- max 4 analog transmission channels
- dead time approx. 1 ms
- IP Code 67 as standard; IP 68 available on request
- plug connection 7-pole industry type 423/723

Technical Data

Stationary unit

length w.o. conn.	80 mm
outer thread	M 30 x 1,5
connector	7-pin male plug type 423/723
voltage supply	24V DC \pm 10%
current	max. 500 mA
analog output channels	4/2/1 (optionally)
resolution	12 bit
channel output voltage	0 – 10V

Mobile unit

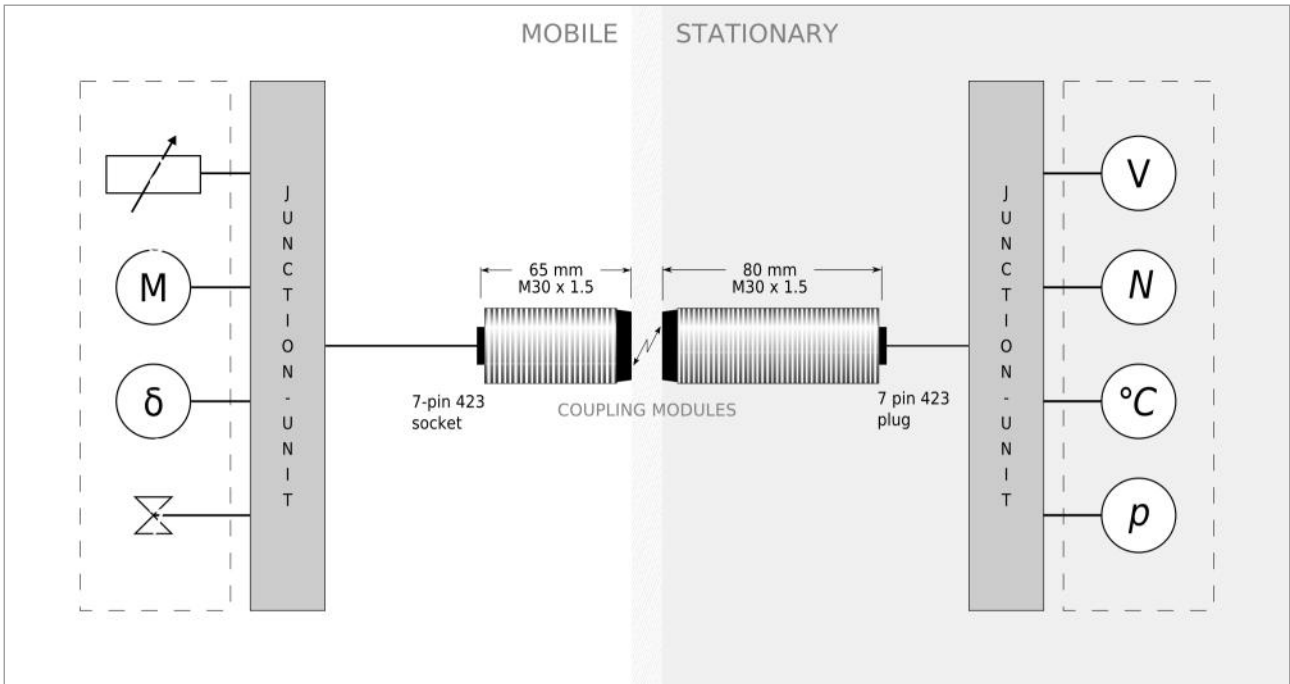
length w.o. conn.	65 mm
outer thread	M 30 x 1,5
connector	7-pin female socket type 423/723

voltage	24V DC \pm 10%
current	max. 200 mA
analog input channels	4/2/1 (optionally)
resolution	12 bit
channel input range	0 – 10V
monitor	LED
sampling rate	2 ksp/s (1 channel model) 1 ksp/s (2 channel model) 0,5 ksp/s (4 channel model)

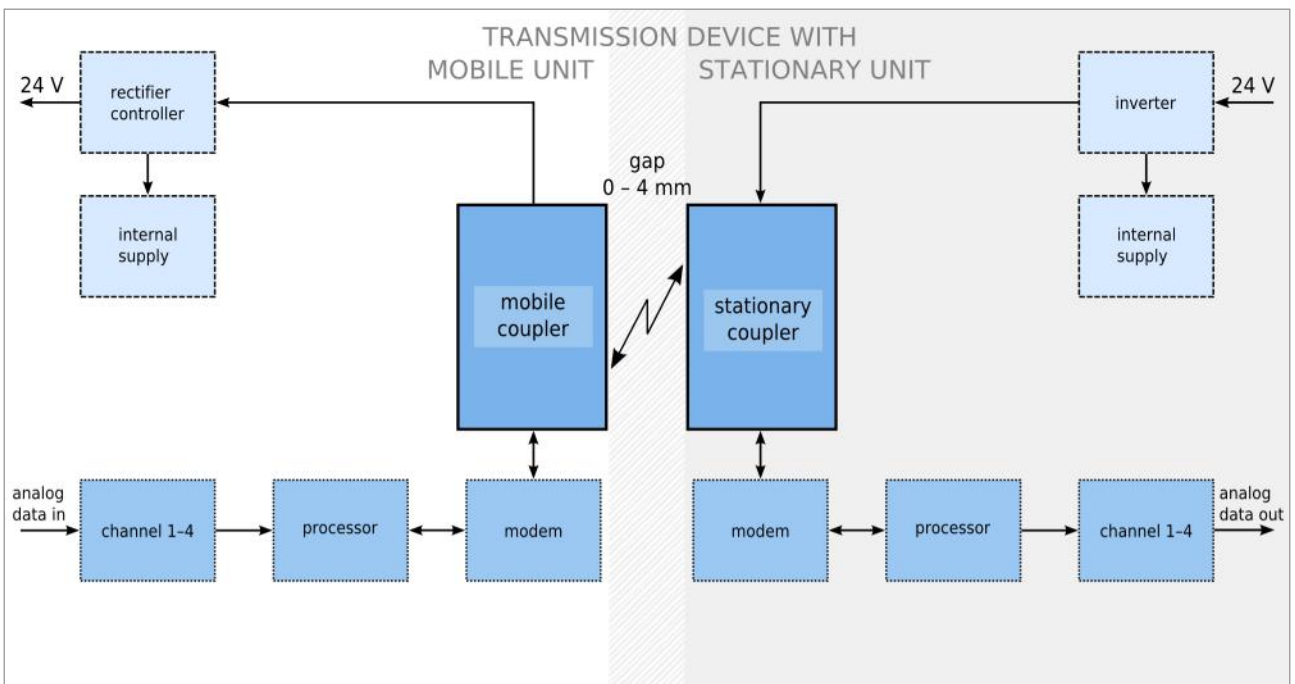
Mounting

air gap	0 – 4 mm
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Application example



Block diagram



Models

Description	Order number
Stationary unit 1 channel	VDC-B-S-C1
Stationary unit 2 channel	VDC-B-S-C2
Stationary unit 4 channel	VDC-B-S-C4
Mobile unit 1 channel	VDC-B-M-C1
Mobile unit 2 channel	VDC-B-M-C2
Mobile unit 4 channel	VDC-B-M-C4



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