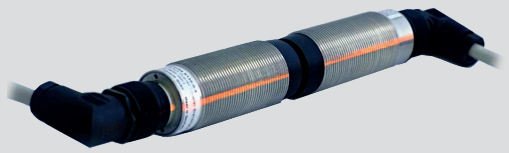
M30-8+8

Axial coupler

Inductive Coupling System

■ **Contact free transmission of energy and signals**



Application/customer benefits

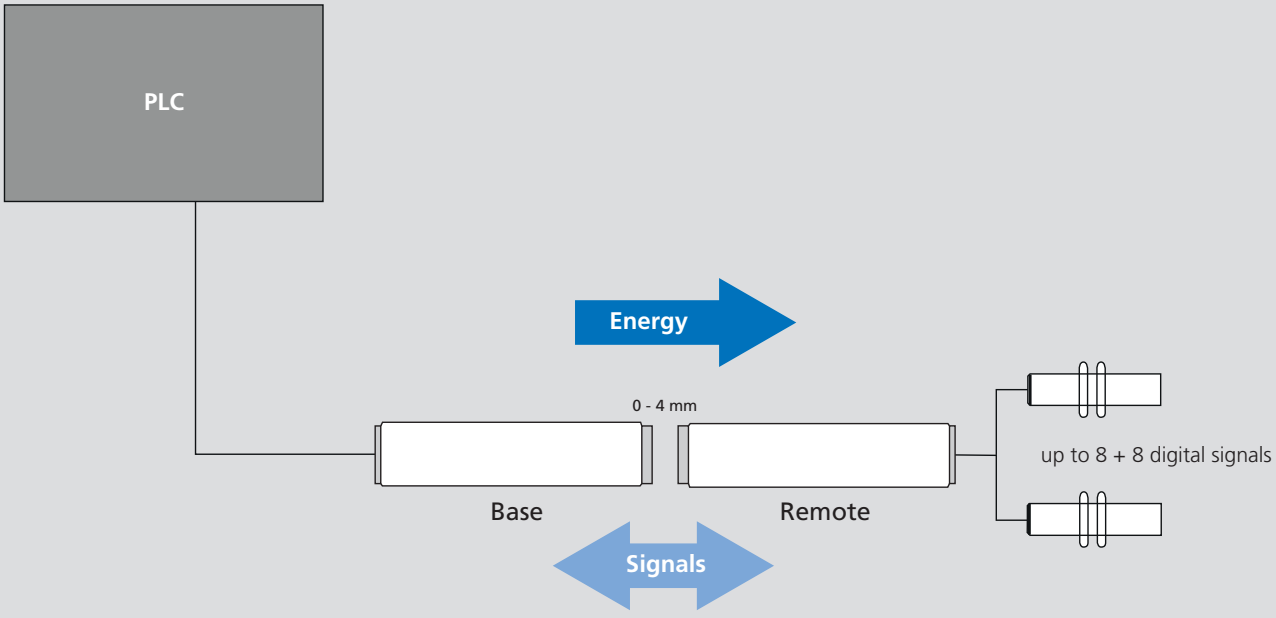
- Contact free, safe transmission of energy and signals between moving / rotating and stationary components
- Application examples: Automation, piloting of magnet valves, reading of status signals, online monitoring of sensor signals in the remote area, contacting at rotary tables, plug replacement for SPS signals
- Dynamic Pairing
- Wear and maintenance free
- Operating display

Technical features

- Mounting M30 x 1.5
- Operating voltage 24 V ± 10%
- Transmission distance 0 - 4 mm
- Transmission of energy: 24 V / 12 W (500 mA)
- Transmission of signals: 8 + 8 digital (bidirectional)
- Inverse-polarity protection (base), short-circuit proof (remote)
- Connection: Base male connector M16 (19-pin), remote female connector M16 (19-pin)
- Protection class: IP 67
- Id. No. Base: 0E010964, Id. No. Remote: 0E010965
- LED interface (base)

color:	green
slow flashing:	power on
static:	in position
fast flashing:	overload / short-circuit

Block diagram:



Subject to technical changes.
For more detailed information please ask our customer service.

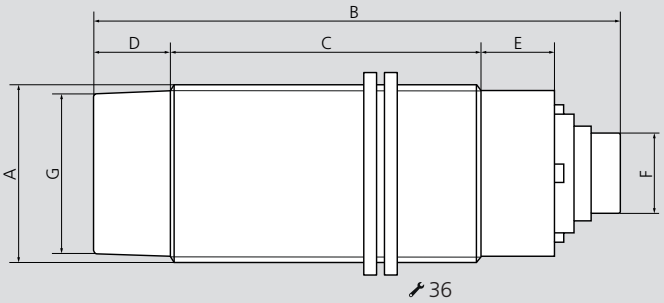
Inductive Coupling System

■ Stationary Unit - Base
■ Mobile Unit - Remote

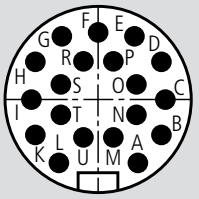
M30-8+8

Axial coupler

Base / Remote:

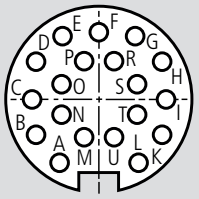


Base



Male connector 19-pin
M 16

Remote



Female connector 19-pin
M 16

Subject to technical changes.
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Inductive coupling system M30-8+8			
SMW-electronics Type		**Base**	**Remote**
Id. No.		**0E010964**	**0E010965**
A Thread	mm	M30 x 1.5	
B	mm	88.5	81
C	mm	52	
D	mm	13	
E	mm	14.5	
F	mm	M16	M16 / Buchse
G	mm	Ø 27	

Housing material	CuZn, PA66, PC GF 30%	
Protection class	IP 67	
Operating temperature	0°C ... +50°C	
Storage temperature	-10° ... +70°C	
Coupling distance	0 mm ... 4 mm	
Operating voltage	24 V ± 10% DC	-
Output voltage	-	24 V ± 10% DC
Power consumption (Base)	< 500 mA	-
Power output (Remote)	-	< 500 mA
Overload protection / short circuit protection	✓	✓
Residual ripple	-	< 200 mV
Reverse polarity protection	✓	-
Data-Valid Output	max. 100 mA	-
Ready delay	< 80 ms	< 100 ms

PIN assignment	PIN	Signal Base	Signal Remote
Digital signal 8	A	0/24 V IN	0/24 V OUT
Digital signal 7	B	0/24 V IN	0/24 V OUT
Digital signal 5	C	0/24 V IN	0/24 V OUT
Digital signal 3	D	0/24 V IN	0/24 V OUT
Digital signal 2	E	0/24 V IN	0/24 V OUT
Data-Valid	F	DAV 24 V	-
Digital signal 2	G	0/24 V OUT	0/24 V IN
Digital signal 3	H	0/24 V OUT	0/24 V IN
Digital signal 5	I	0/24 V OUT	0/24 V IN
Digital signal 7	K	0/24 V OUT	0/24 V IN

PIN assignment	PIN	Signal Base	Signal Remote
Digital signal 8	L	0/24 V OUT	0/24 V IN
Ground	M	GND	GND
Digital signal 6	N	0/24 V IN	0/24 V OUT
Digital signal 4	O	0/24 V IN	0/24 V OUT
Digital signal 1	P	0/24 V IN	0/24 V OUT
Digital signal 1	R	0/24 V OUT	0/24 V IN
Digital signal 4	S	0/24 V OUT	0/24 V IN
Digital signal 6	T	0/24 V OUT	0/24 V IN
Voltage	U	24 V IN	24 V OUT