



Application/customer benefits

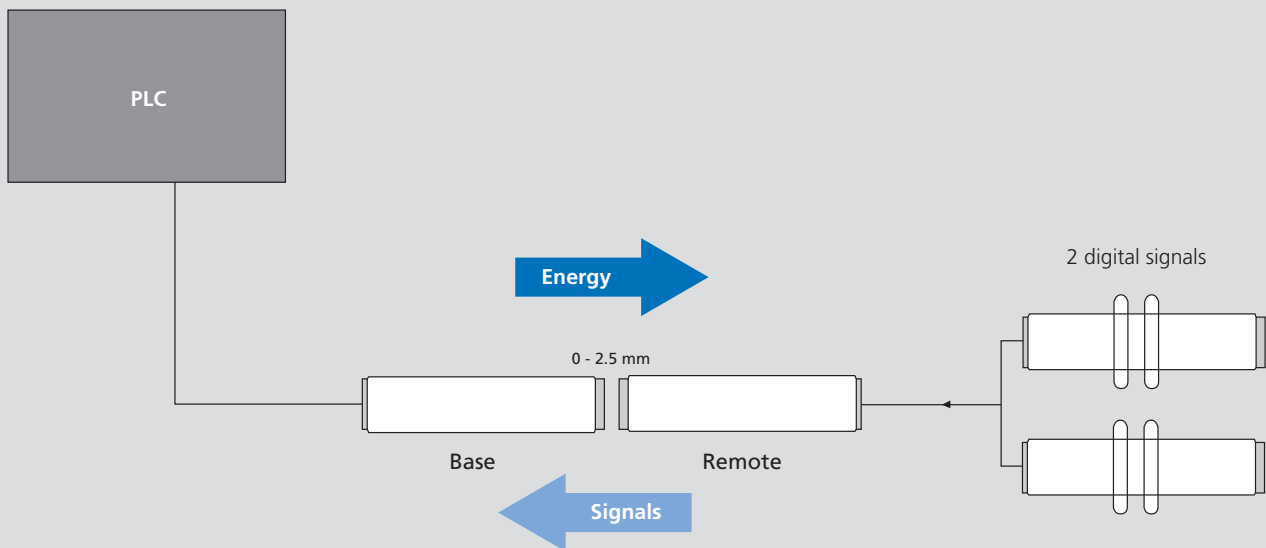
- Contact free, safe transmission of energy and signals between moving / rotating and stationary components
- Application examples: Supply of mobile sensors, supply and monitoring of remote systems, monitoring of door contacting
- Dynamic Pairing
- Wear and maintenance free
- Operating display

Technical features

- Mounting M12 x 1
- Operating voltage 24 V \pm 10%
- Transmission distance 0 - 2.5 mm
- Transmission of energy: 24 V / 1 W (35 mA)
- Transmission of signals: 2 digital signals (PNP)
- Inverse-polarity protection (base), short-circuit proof (remote)
- Connections: Base cable 300 mm with male connector M12 (5-pin), remote cable 300 mm with female connector M12 (5-pin)
- Protection class IP 67
- Id. No. Base: 0E010956, Id. No. Remote: 0E010957
- LED interface (Base)

color:	green
slow flashing:	power on / no remote detected
static:	in position
fast flashing:	overload / short circuit

Block diagram:

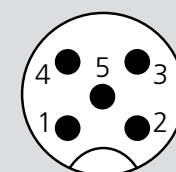
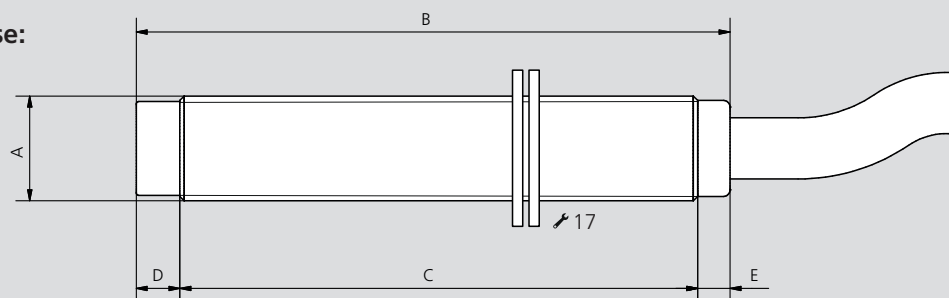


Subject to technical changes.
For more detailed information please ask our customer service.

- Stationary Unit - Base
- Mobile Unit - Remote

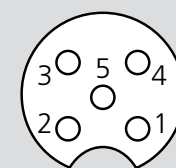
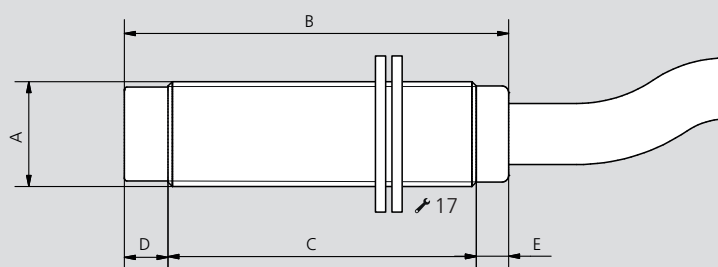
Axial coupler

Base:



Male connector 5-pin
M12 x 1

Remote:



Female connector 5-pin
M12 x 1

Subject to technical changes.
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Inductive coupling system M12-2

SMW-electronics Type		Base	Remote
Id. No.		0E010956	0E010957
A	mm	M12 x 1	
B	mm	68	44
C	mm	59.3	35.3
D	mm	5	
E	mm	3.7	
Cable length	mm	300	
Housing material		CuZn, PA66, PC GF 30%	
Protection class		IP 67	
Operating temperature		-10° C ... +55° C	
Storage temperature		-25° C ... +70° C	
Transmission distance		0 mm ... 2.5 mm	
Operating voltage		24 V ± 10% DC	-
Output voltage		-	24 V ± 10% DC
Power consumption (Base)		> 400 mA	-
Power output (Remote)		-	< 50 mA
Overload protection / short circuit protection		✓	✓
Residual ripple		-	< 200 mV
Reverse polarity protection		✓	-
Data-Valid Output		max. 100 mA	-
Ready delay		100 ms	
PIN assignment		Signal Base	Signal Remote
Supply voltage	1	+24 V IN	+24 V OUT
Digital signal 1	2	0 / 24 V OUT	0 / 24 V IN
Ground	3	GND	GND
Digital signal 2	4	0 / 24 V OUT	0 / 24 V IN
Data-Valid	5	DAV 24 V	-