

C80 Giga

INDUCTIVE COUPLING SYSTEM

Ethernet real-time communication
Ideal für rotary applications / changing applications
Contact free transmission of energy and signals
Wearfree
Flexible
Protective



C80 Giga

Axial coupler

Inductive Coupling System

- Contact free transmission of energy and signals
- Ideal for rotary applications / changing applications



Application/customer benefits

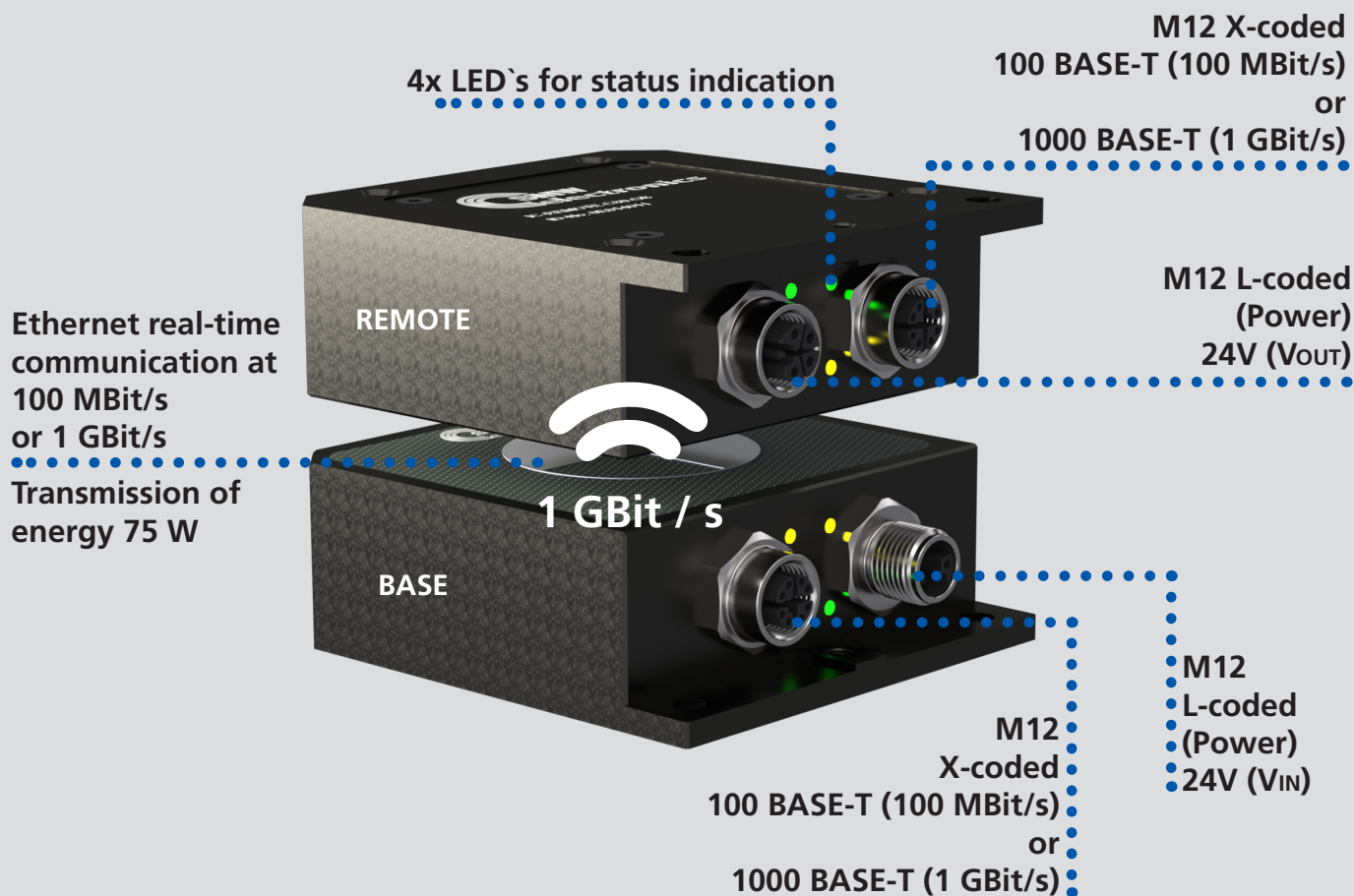
- Contact free transmission of energy and signals between moving and stationary components
- Application examples: Rotary applications / changing applications
- Dynamic Pairing
- Wear and maintenance free
- Protective functions: Temperature monitoring, foreign object detection, reverse polarity protection

Technical features

- Operating voltage 24 V $\pm$ 10%
- Transmission distance 0 - 3 mm
- Transmission of energy 24 V / 75 W
- Transmission of signals 100 BASE-T (100 MBit/s) or 1000 BASE-T (1 GBit/s) Ethernet fully transparent
- Protection class: IP67

Standard equipment

Inductiv coupler base or remote



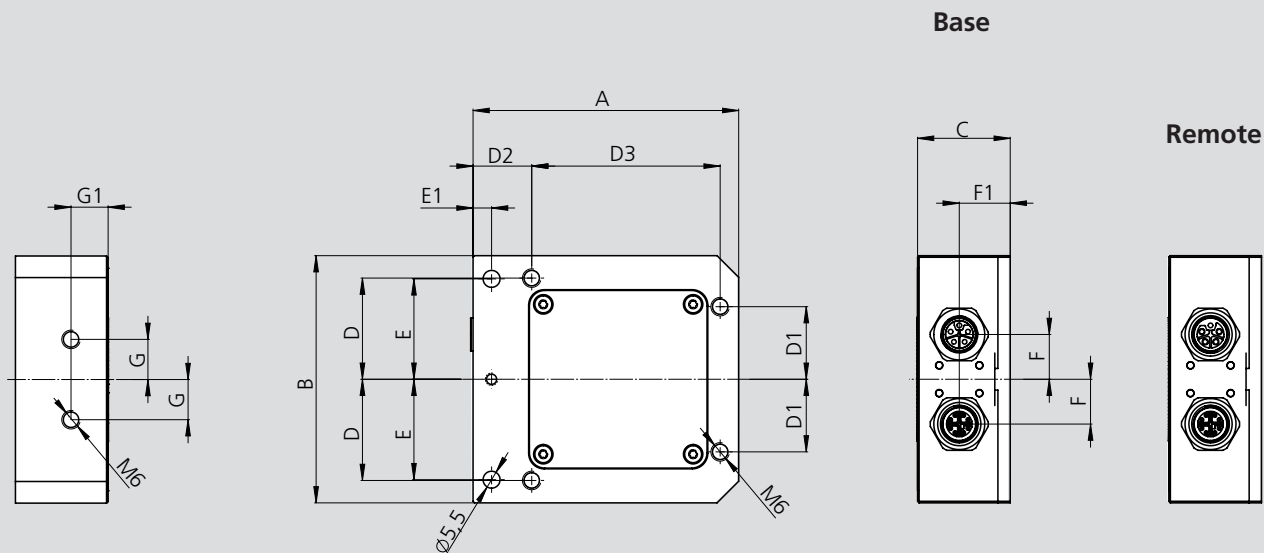
Subject to technical changes.
For more detailed information please ask our customer service.

Inductive Coupling System

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- Ideal for rotary applications / changing applications

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Inductive coupling system C80 Giga			
Type		Base	Remote
Id. No.		0E014010	0E014011
A	mm	86.8	
B	mm	80	
C	mm	30	
D / D1 / D2 / D3	mm	32.75 / 23.5 / 19 / 61	
E / E1	mm	32.5 / 6	
F / F1	mm	14.5 / 16.5	
G / G1	mm	13 / 12	
Housing material		AL, V2A, FR4	
Protection class		IP67	
Operating temperature		-25° C ... +50° C	
Storage temperature		-25° C ... +80° C	
Transmission distance		0 - 3 mm	
Weight	kg	0,3	0,3
Operating voltage		$V_{IN} = 24V \pm 10\%$	-
Output voltage		-	$V_{IN} \pm 10\%$ DC
Power consumption (Base)		max. 5A	-
Power output (Remote)		-	3.125 A
Overload protection / short circuit protection		✓	✓
Residual ripple		-	< 200 mV
Reverse polarity protection		✓	-
Temperature monitoring		✓	✓
Ready delay		< 600 ms	



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