SMW electronics

C80 Giga

INDUCTIVE COUPLING SYSTEM

Ethernet real-time communication
Ideal for rotary applications / changing applications
Contact free transmission of energy and signals
Wear and maintenance free
Flexible
Protective



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C80 Giga

Axial coupler

Inductive Coupling System

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



Application / customer benefits

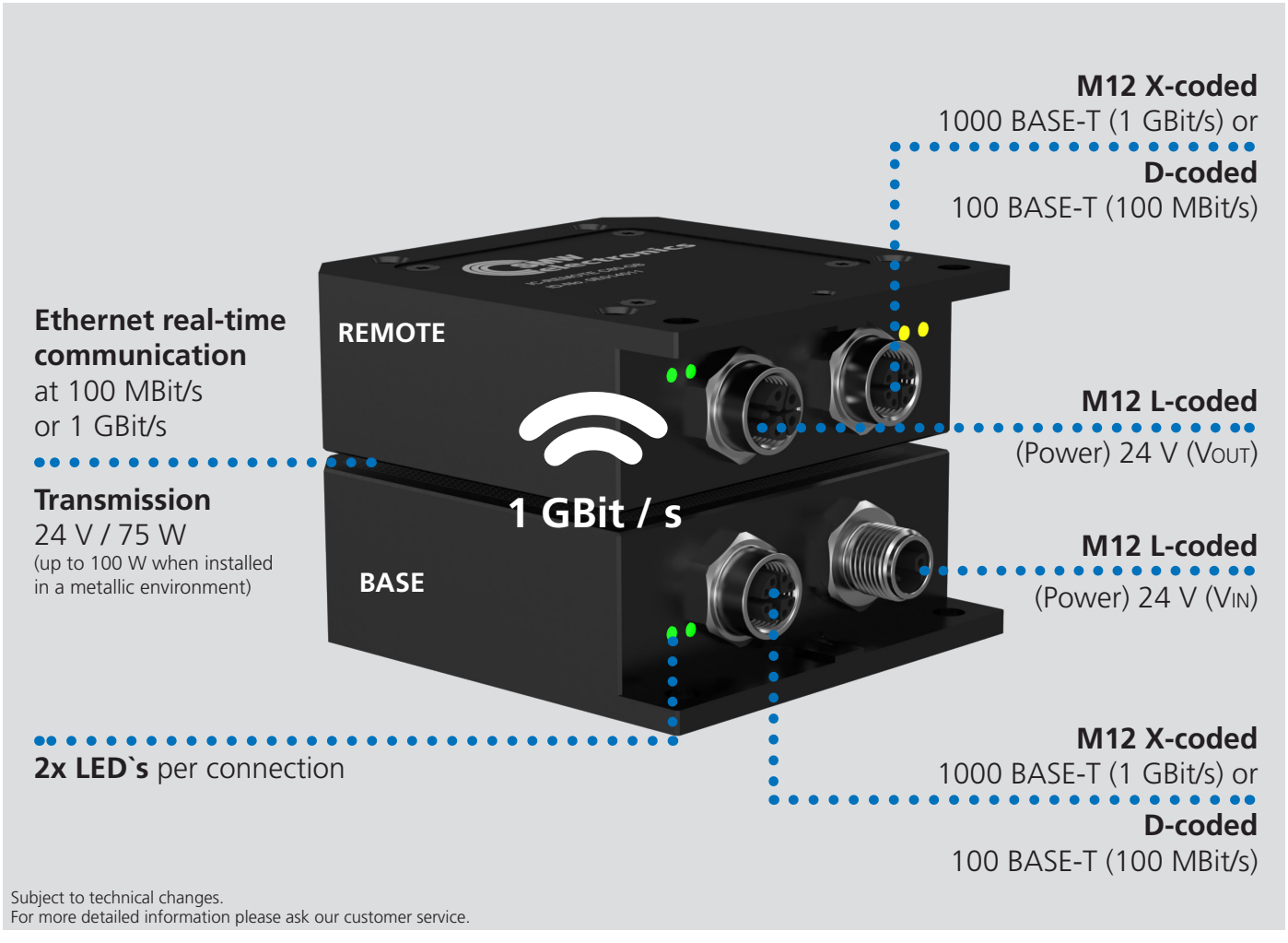
- Contact free transmission of energy and signals between moving and stationary components
- Application examples: Rotary applications / changing applications
- Simple retrofit solutions thanks to the installation kit
- Dynamic Pairing
- Wear and maintenance free
- Protective functions: Temperature monitoring,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

Technical features

- Operating voltage: 24 V ± 10 %
- Transmission distance: 0 - 3 mm
- Transmission of energy: 24 V / 75 W (up to 100 W when installed in a metallic environment)
- 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



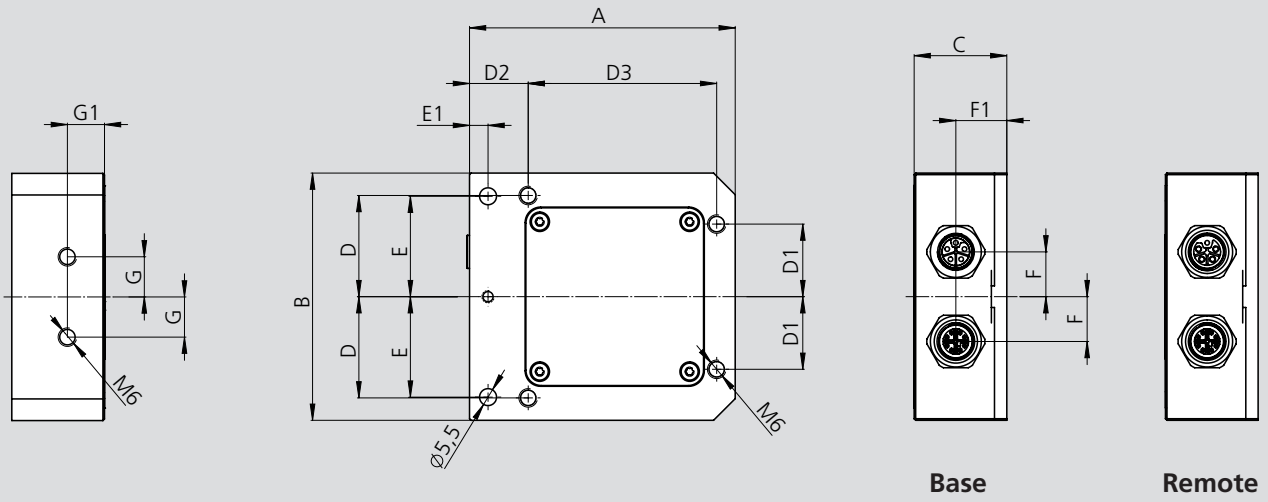
Subject to technical changes.
For more detailed information please ask our customer service.

Inductive Coupling System

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

C80 Giga

Axial coupler



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Inductive coupling system C80 Giga					
Type		**Base**		**Remote**	
Id. No.		**0E014010**	**0E014382**	**0E014011**	**0E014383**
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. GFK			
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} = 24 V ± 10 %		-	
Output voltage		-		V_{IN} ± 10 % DC	
Power consumption (Base)		max. 5 A		-	
Power output (Remote)		-		3.125 A	
Overload protection / short circuit protection		✓		✓	
Residual ripple		-		< 200 mV	
Reverse polarity protection		✓		-	
Temperature monitoring		✓		✓	
Ready delay		< 600 ms			
Connection		M12 X-coded	M12 D-coded	M12 X-coded	M12 D-coded
Signal transmission		1000 BASE-T (1 GBit/s)	100 BASE-T (100 MBit/s)	1000 BASE-T (1 GBit/s)	100 BASE-T (100 MBit/s)



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