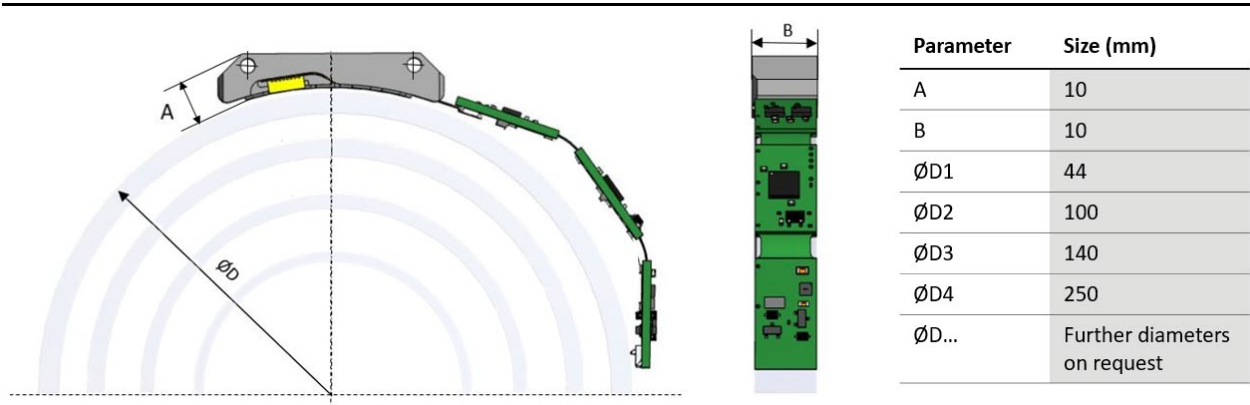


Rotary absolut encoder with flexCoder-technology.

Profile

- Customized ring diameter and design
- Implementation in small installation space
- Absolute resolution 21 Bit
- Repeat accuracy 0.01°
- Distance ring/encoder ≤0.6 mm
- Interface BiSS-C, SSI
- Optional analog real-time signal output Sin/Cos 1 V_{ss}



Mechanical data

Feature	Technical data	Additional information
Flange	Aluminum	With magnetized rubber band
Sensor/band reading distance	≤0.6 mm	
Housing	Open circuit boards	Aluminum carrier can be customized

Electrical data

Feature	Technical data	Additional information
Operating voltage	4 ... 6 VDC	Reverse polarity protected
Power input	<1.0 W	
Interface	BiSS-C, SSI	
Real-time requirement	Sin/Cos 1 V _{pp}	Optional speed-proportional signal output
Cycle time	<30 µs	
Type of connection	JST plug Solder pads	

System data

Feature	Technical data	Additional information
Pole length	2 mm	
Resolution	16 ... 21 Bit (others on request)	0.0054° ... 0.00017°
System accuracy	±0.05°	
Repeat accuracy	0.01°	Unidirectional
Measuring range	360 °	Multiturn
Travel speed	≤32 m/s	≤6 m/s absolut

Drawings (ØD2)

