

Fit for any use:
the new rotary encoder technology platform



■■■ pulses for automation

Sendix[®] inkremental 5000 / 5020

- **tough**
- **compact and economical**
- **flexible in use**

Sendix[®] inkremental sets the new **standard!**

Tough

A new and particularly robust bearing structure (Safety-Lock™ design) protects against damage to the encoder due to too much axial load on the shaft during installation and with rough loa-

ding due to vibration and temperature change when the encoder is in continuous use.

The broad temperature range of -40 to +85° C and protection class IP 67 also

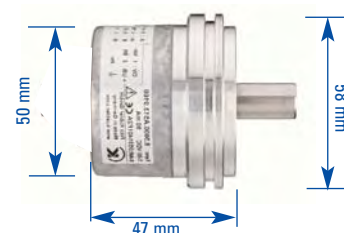
permit use outdoors. Both encoders have a stable die-cast housing and, up to 1024 ppr, a metal disk.

Compact and economical



Small at the back - big at the front: housing Ø 50 mm, 47 mm construction depth, shaft up to 12 mm. Compatible with all 58 mm standard flanges, opening up a broad spectrum of applications.

Sendix[®] inkremental
5000



Flexible and universal in application

Global use

The rotary encoders are compatible with all current US- and European standards with regard to mechanics, connection technology, interfaces and signal sequence .

The Sendix Incremental 5000/5020

rotary encoders cover practically all fields of application, thanks to their broad input voltage range of 5 ... 30 VDC, many variations of interfaces, wide temperature range and high protection class.



Many connection options

M12-connector



M23-connector



MIL 10-pin



Cable version



■■■ pulses for automation

Safety lock™ Design

Avoids disk crashes and pulse loss, extends the lifetime, is tolerant of installation errors, avoids machine downtimes and expensive repairs.

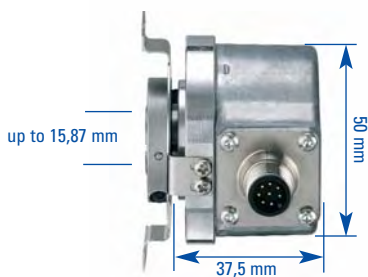


Performs like a large encoder:

Up to 15.87 mm hollow shaft with stable bearings for a long , with housing sizes of only 50 mm and a construction depth of 37.5 m. On the one hand, you save the costs for larger encoders that would otherwise be necessary,

on the other hand you realize cost savings because you do not have to accept as many restrictions or consider as many technical specifications during installation and operation.

Sendix® inkremental 5020



Quality feature slit hollow shaft:

improved hold on the shaft, fewer vibrations, greater shaft tolerance.



Comprehensive fastening technology



Stator coupling
pitch circle 65 mm




Stator coupling,
double-winged
pitch circle 63 mm



tether arm, short
pitch circle 65 ... 91,5 mm

Technical data – SENDIX Incremental 5000 / 5020

- in a 50 mm housing. Compatible with standard 58 mm rotary encoders
- incremental, up to 5000 ppr
- short-circuit proof outputs
- high pulse frequency 300 kHz
- also available for explosion protection for zones 2 and 22 

	5000 (shaft)	5020 (hollow shaft)
Shaft - / hollow shaft diameter	6 ... 12 mm	6 ... 15,87 mm
Speed without shaft sealing	max. 12000 min	
Speed with shaft sealing	max. 6000 min	
Protection class without shaft sealing	IP 65	
Protection class with shaft sealing	IP 67	
Temperature range	-40 ... +85° C	
Radial load capacity of the shaft	80 N	–
Axial load capacity of the shaft	40 N	–
Pulse rates available at short notice	1, 5, 10, 12, 36, 50, 60, 100, 200, 250, 256, 360, 400, 500, 512, 600, 800, 1000, 1024, 1200, 1250, 2000, 2048, 2500, 3600, 5000 Other pulse rates on request	
Shock resistance acc. to DIN-IEC 68-2-27:	2500 m/s ² , 6 ms	
Vibration resistance acc. to DIN-IEC 68-2-6:	100 m/s ² , 10 ... 2000 Hz	
Interfaces	RS 422 5 ... 30 V DC / 300 kHz (TTL-compatible)	
	RS 422 5 V DC ±5 % / 300 kHz (TTL-compatible)	
	Push-pull 10 ... 30 V DC / 300 kHz	
	Push-pull 5 ... 30 V DC / 300 kHz (7272)	

Would you like to know more about the new incremental rotary encoder platform technology?

www.kuebler.com

Or order some data sheets straight away
Phone + 49(0) 77 20 - 39 03-0
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 pulses for automation

Encoders, Linear Measuring Systems + Connection Technology



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