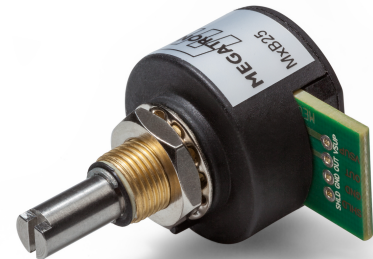


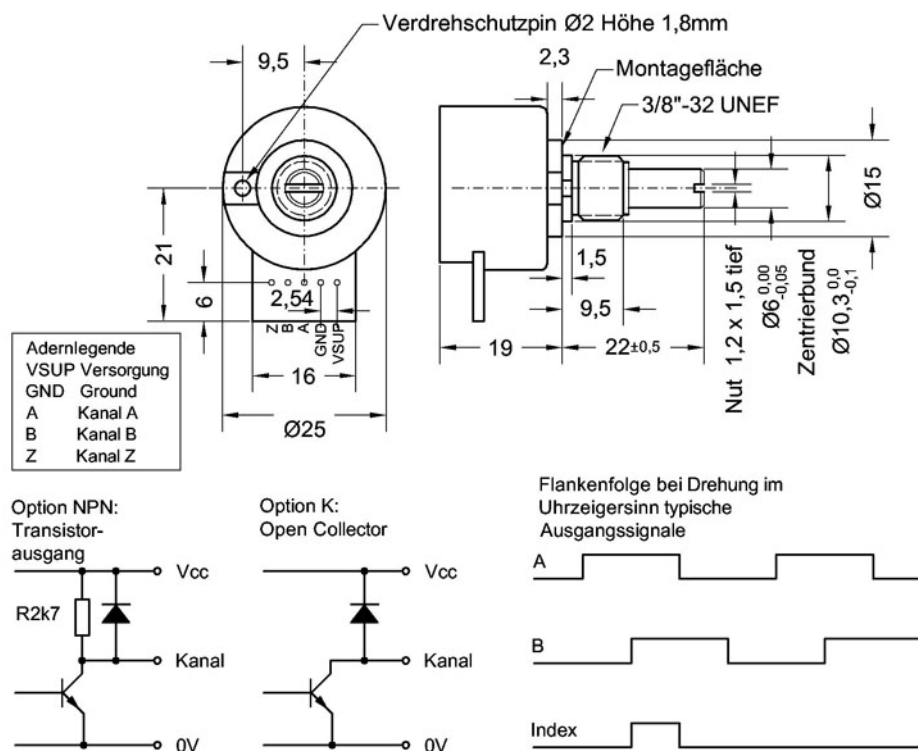
Series MIB25 / Incremental Hall Effect Encoder

- low priced
- high life time polymer sleeve bearing
- protection class IP65 up front
- up to 256 pulses / 360° + index
- body diameter 25 mm
- operating voltage 5V, 24V (3,3V on request)
- interface: Push Pull, Open Collector, TTL

The MIB25 is a sensor with an excellent price/performance ratio, if an average lifetime is requested.



Drawing



Series MIB25 / Incremental Hall Effect Encoder

Electrical Data

Pulses	256 ppr (other on request)
Channel	A, B, Z
Limit frequency	500 kHz
Supply voltage	$4,5V < V_B < 5,5V / 8V < V_B < 30V$
Supply current (no load)	< 20 mA

Mechanical Data

Maximum mech. speed	approx. 3000 rpm
Lifetime	50 Mio. rev.
max. fastening torque of the mounting nut	1 Nm

Other Data

Protection class: Shaft / Housing	IP65 / IP40
Operating temperature	-40 .. +85 °C
Storage temperature	-40 .. +85 °C
Bearing	polymer sleeve bearing
Housing material	glass-fiber reinforced polyamide
Shaft material	stainless steel
Mounting parts <small>included in delivery</small>	hex nut (SW14), toothed washer
Weight	approx. 22 g

Order Description

Series MIB25	MIB25			
<u>Resolution [Pulses per revolution]</u>		1024		
		512 (*)		
		256 (*)		
		2...128 (*)		
<u>Supply voltage / Output signal</u>				
5 V / TTL			05 BZ TTL	
5 V / Open Collector			05 BZ OC (*)	
24 V (9...30 V) / Open Collector			24 BZ OC (*)	
Zero point alignment of the index pulse				N (*)
Other shaft length [mm]				Axx (*)

"bold print = standard option"

short-term stock types can be found on: <http://www.megatron.de/en/stocklists/angle-sensors/lagerliste.html>

(*) = on request available for projects

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