

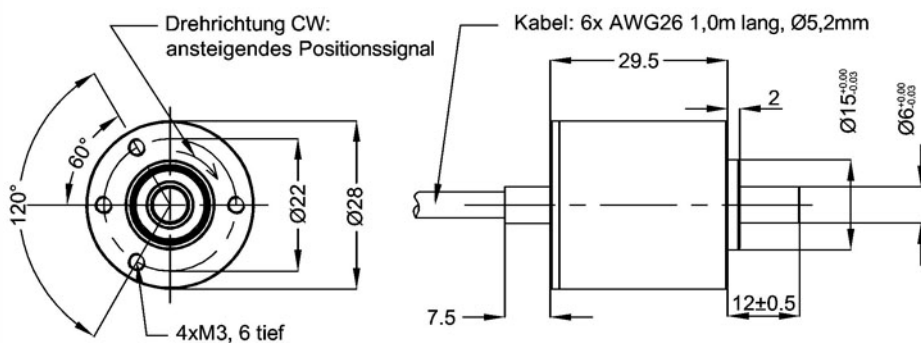
Series MIB28 / Incremental Hall Effect Encoder

- up to 256 pulses/360° + index
- compact housing: \varnothing 28 mm
- operating voltage 5V, 24V (3,3V optional)
- interface: open collector, TTL
- programmable index on request
- protection class IP65

A low price, a robust housing with precision ball bearings and a high lifetime qualifies the MIB28 for modern toolbuilding.

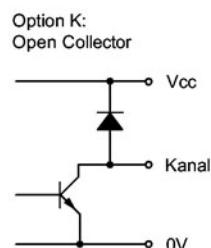
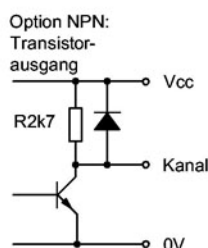


Drawing

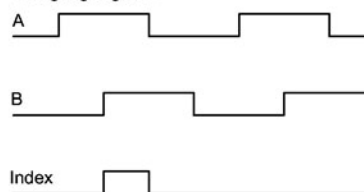


Aderbelegung						
rt	bn	og	ge	gn	sw	
VSUP	NC*	Kanal B	Index	Kanal A	GND	

*) NC bitte NICHT anschließen !



Flankenfolge bei Drehung im
Uhrzeigersinn typische
Ausgangssignale



Series MIB28 / Incremental Hall Effect Encoder

Electrical Data

Pulses	256 ppr (andere auf Anfrage)
Channels	A, B, Z
Frequency response	500 kHz
Supply voltage	4,5V < VB < 5,5V / 8V < VB < 30V
Supply current (no load)	< 20 mA

Mechanical Data

Maximum speed	6000 rpm
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Other Data

Protection class shaft and housing	IP65
Operating temperature	-40 .. +85 °C
Storage temperature	-40 .. +85 °C
Bearing	2 precision ball bearings
Housing material	chromed aluminium
Shaft material	stainless steel
Weight	approx. 90 g

Order Description

Series MIB28	MIB28				
<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	
24 V (9..30 V) / Push Pull				24 BZ PP	
Zero point alignment of the index pulse				N (*)	
Other shaft length [mm]					Axx (*)
<u>Cable output</u>					
Axial - 1 m					-
Axial [m]					CVxx(*)
Radial [m]					CVRxx(*)

"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

23.02.2015