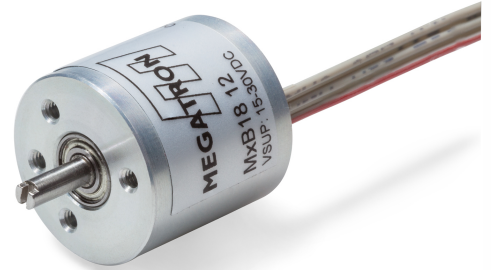


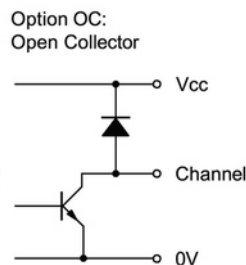
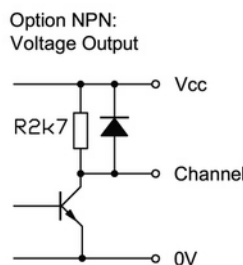
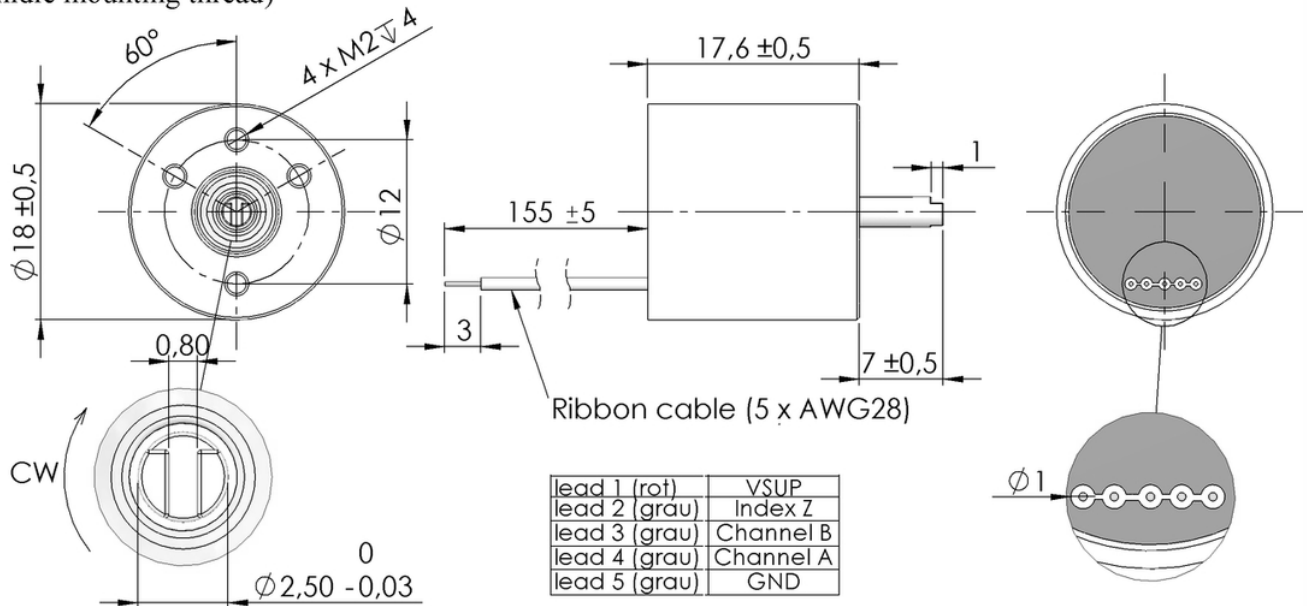
## Series MIB18 / Incremental Hall Effect Encoder

- Housing Diameter 18 mm
- Protection Class IP65
- Resolution up to 1024 ppr.
- 2 Channels and Index
- 2 Precision Ball Bearings
- Operation Voltage 5 V

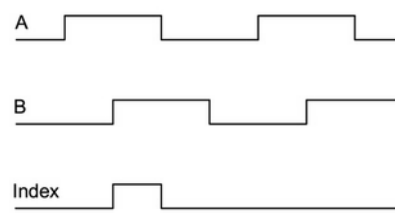


### Drawing

In this view: Index Z positioned acc. option N (slot on the shaft and flat fall in line with the middle mounting thread)



Signal characteristics in CW



## Series MIB18 / Incremental Hall Effect Encoder

### Electrical Data

Pulses	1-128, 256, 512, 1024 ppr
Output Channels	A, B, Z
Limit Frequency	500 kHz
Supply Voltage	5 V $\pm$ 10% (Ripple < 100mVpp)
Supply Current (no load)	< 20 mA

### Mechanical Data

Maximum rotational speed	6000 rpm
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### Other Data

Protection Class	IP65
Operating Temperature	-40 .. + 85 °C (Erweiterter Temperaturbereich auf Anfrage)
Storage Temperature	-40 .. + 105 °C
Bearing	2 Precision Ball Bearings
Housing Material	Aluminium
Shaft Material	Stainless Steel
Weight	≈ 20 g

# Series MIB18 / Incremental Hall Effect Encoder

## Order Description and Options

Series MIB18	<b>MIB18</b>					
<u>Resolution [Pulses per revolution]</u>		<b>1024</b>				
		512 (*)				
		256 (*)				
		2...128 (*)				
<u>Supply voltage / Output signal</u>						
5 V / TTL				<b>05 BZ TTL</b>		
5 V / Open Collector				<b>05 BZ OC</b>		
Zero point alignment of the index pulse					N (*)	
Other shaft length [mm]						Axx (*)
Other cable length [m]						CVxx(*)

"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