

Hall Effect Rotary Encoder with Incremental Output

Series MIB28



- Resolution; up to 1024 ppr
- 28mm housing diameter
- TTL or Open Collector
- IP65 protection grade
- 2 channels with index
- Precision ball bearings
- Absolute position readout option

The series MIB28 is a 28mm diameter, robust encoder capable of providing an incremental output of up to 1024 ppr.

Electrical Data

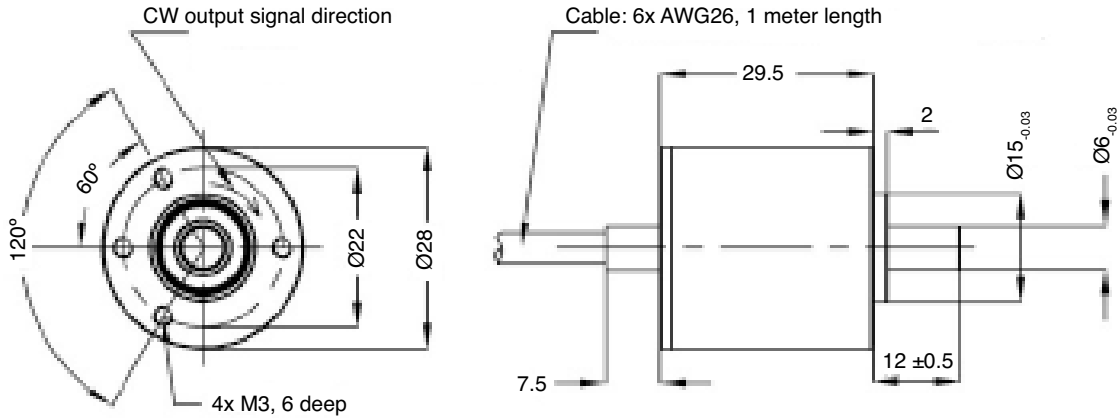
Resolution	1...128 (any increment), 256, 512, 1024 ppr
Output channels	A, B, Z
Supply voltage	5V ±10% / 9 - 30 VDC
Frequency limit	500 kHz
Power consumption (no load)	< 20 mA
Insulation voltage	1000 VAC @ 50 Hz, 1 min.
Insulation resistance	2 MOhm @ 500 VDC, 1 min.

Mechanical and Environmental Data

Maximum rotational speed	6000 rpm
Protection class	IP65
Bearing	2 precision ball bearings
Operating temperature	-40°C...+85°C
Storage temperature	-40°C...+85°C
Vibration	±1.5mm / 20 g / 10 to 2000 Hz / 16 frequency cycles (3x4 h)
Shock	50 g / 11 ms / halfsine (3x6 shocks)
Housing material	Aluminum
Shaft material	stainless steel
Weight	approx. 90 g

Note: Customers should test and verify device performance in any given application. General specifications values are measured at +15°C ~ +35°C. Please consult us if application is in higher or lower temperatures. Shaft modifications are possible, please consult us. Specifications subject to change without notice.

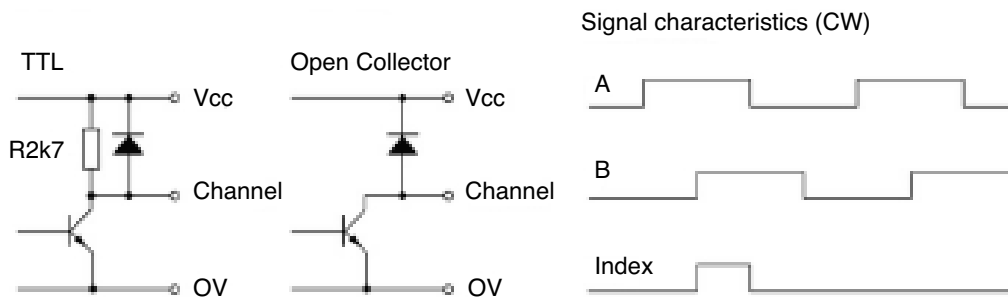
Dimensions (mm)



CABLE ASSIGNMENT

Red	VSUP
Brown	Not connected
Orange	Channel B
Grey	Index
Green	Channel A
Black	GND

Output



Option: Absolute position readout, please consult us