



SERIE BME INC

ON-AXIS BEARINGLESS INCREMENTAL ENCODER

- Resolution up to 1024 pulses per turn
- Non-contacting measuring system
- Easy assembly
- High protection class IP65
- Compact dimensions
- Connection by cable (other cable length available)



Magnetic Encoder



Incremental Encoder



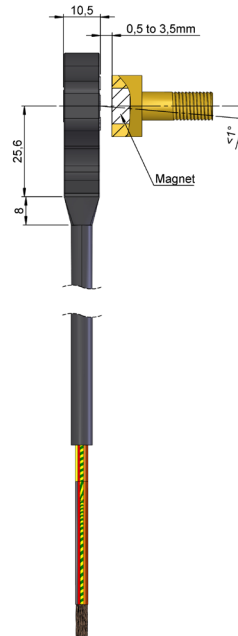
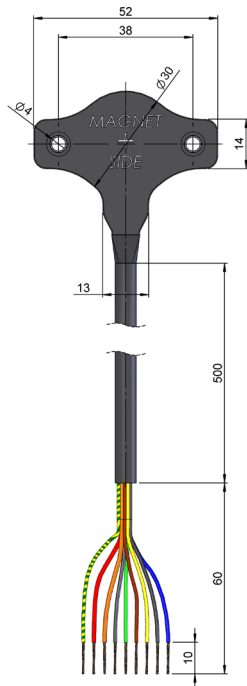
Compact



IP65



Express Delivery



REFERENCE

Reference example: BME-INC-1113-1024

Serie	Mechanical option	Magnet	Connection	Power Supply / Electronic output	Pulses number	Special customer
BME-INC-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> -	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	1. Option A	1. Threaded hexagon	1. 50 cm radial cable	0. 11...30 VDC / NPN Open collector 11..30 VDC 1. 11..30 VDC / Line driver differential Push-Pull 11..30 VDC 2. 5 VDC / RS422 5 VDC (compatible TTL) 3. 5...30 VDC / Push-Pull (*)		

Order your reference
Step file 3D

info@encoderhohner.com
service available in 24 h

(*) TTL/RS422 available if encoder supply is 5 VDC.

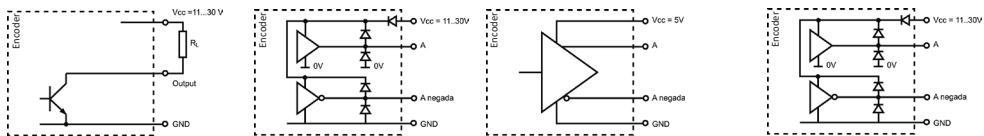
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MECHANICAL SPECIFICATIONS

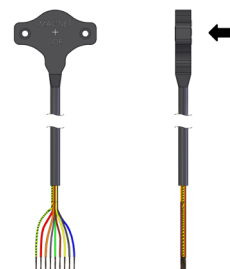
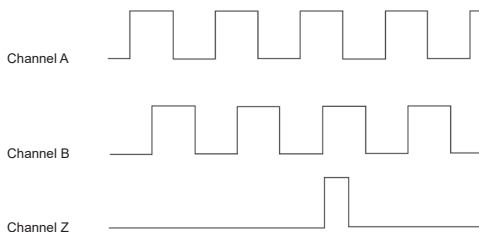
Materials	Housing: Polyamide hot melt resin Magnet: Neodymium
Maximum number of revolutions permitted mechanically	3000 rpm
Permitted gap	0.5 mm to 3.5 mm
Admissible max. misalignment (angular)	<1°
Protection against dust and splashes according to DIN EN 60529	IP65 (IP67 available, Upon request)
Weight aprox.	0,05 Kg
Operating temperature range	-40°C to +85°C
Vibration according to DIN EN 60068-2-6	≤ 200 m/s ² (55Hz...2000Hz)
Shock according to DIN EN 60068-2-27	≤ 2000 m/s ² (6ms)
Radial connection	50 cm cable

OUTPUT SIGNALS



OUTPUT CIRCUIT	NPN Open Collector	Push-Pull Differential	RS422 (TTL compatible)	Push-Pull (TTL compatible)
Reference code	0	1	2	3 (*)
Power supply	11...30 VDC	11...30 VDC	5 VDC ±5%	5...30 VDC
Output voltage	11...30 VDC	11...30 VDC	5 VDC	5...30 VDC
Consumption	20 mA	Typical: 20 mA Max: 100 mA	Typical: 20 mA Max: 100 mA	Typical: 20 mA Max: 100 mA
Max. load capability / channel	20 mA	±20 mA	±20 mA	±20 mA
"Low" signal level	VOL < 0.4 VDC (24 VDC)	VOL < 2.5 VDC	VOL < 0.5 VDC	VOL < 2.5 VDC VOL < 0.5 VDC (Supply to 5 VDC) (*)
"High" signal level	VOH > 22 VDC (24 VDC)	VOH > VCC - 3 VDC	VOH > 2.5 VDC	VOH > VCC - 3 VDC VOH > 2.5 VDC (Supply to 5 VDC) (*)
Frequency	300 kHz	300 kHz	300 kHz	300 kHz
Short circuit protection	Yes	Yes	Yes	Yes
Protection polarity inversion	Yes	Yes	Yes	Yes

Channel A leads (90° electric) channel B, view from the shaft, shaft rotating clockwise.
(*) TTL/RS422 available if encoder supply is 5 VDC.



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CONNECTION



	Cable 4x2x0,14 95.0008056
GND	Black
VDD	Red
A+	Yellow
B+	Green
Z+	Grey
A-	Brown
B-	Blue
Z-	Orange

ACCESSORIES

90.5000

Support magnet

