Manual Encoder for CNC Machine Tool (ISMM8060)

Suitable for manual pulse input type such as NC or Milling machinery High reliability, terminal connection type

1. ELECTRICAL SPECIFICATIONS

A). Output wave: Square wave

B). Output signals: A, B,

C). Current consumption: d100mA D). Response Frequency: 0~20KHz E). Output phase difference: 90*

F). Supply voltage: DC 5V, DC 5-12V DC 12-24V DC 5-24V

G). Signal level: IVHe85%Vcc, VLd0.3V

H). Number of pulses: 100 (Other number of pulse available on request) I). Output circuit: Open collector NPN, Push pull, Line driver, Voltage

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2. MECHANICAL SPECIFICATIONS

A). Signal position: 4 kind

B). Speed without sealing: 500rmp

C). Starting torque without sealing: 2.0x 10-2~6.0x 10-2Nm (+25*C)

D). Shock resistance: 980m/s2, 6ms, 2 times each on XYZ

E). Vibration proof: 50m/s2, 10~200Hz, 2 hours each on XYZ

F). Working life: MTBFe10000h (+25*C, 2000rpm)

G). Weight: Appraisal 270g

3. ENVIRONMENTAL SPECIFICATIONS

A). Working humidity: 30~85% (No condensation)

B). Storage temperature: -30*C~85*C C). Working temperature: -10*C~70*C

D). Protection class: IP54

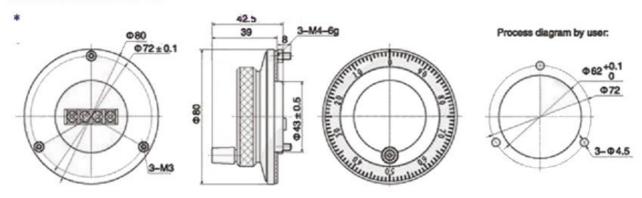
* Wiring Table:

Code	1	2	3	4	5	6
Line driver output	+5V	OV	SIG A	SIGA	SIG B	SIG B
Other Output circuit	+5V	ov	SIG A	SIG B	-	

* Ordering code

ISM8060	_	002	100	В	-	24	С
Series	_	Sequence Number	Number of Pulses	Output Signals		Supply Voltage	Output

Series: ISM8060, Number of pulses: 100 p/r, Output signals: AB, Supply voltage: 24V DC, Output circuit: Open collector NPN, Record: ISM8060-002-100B-24C



Technical parameter	s:				
Electrical parameters	Square wave				
Output waveform	A, B two-phase				
Current consumption	≤ 100mA				
Response frequency	0 ~ 20KHz				
Contained air ratio	0.5T ± 0.1T				
Phase	90 ° ± 45 °				
Supply voltage	DC 5V, DC 5-12V DC 12-24V DC 5-24V				
Output voltage	High VH ≥ 85% Vcc, low VL ≤ 0.3V				
Pulses	25 100 p / r				
Circuit characteristics	C-open collector, F-complementary, E-				
circuit characteristics	voltage, L-long drive				
Mechanical parameters					
Position signal	4				
Maximum speed	500rpm				
Starting torque	1X10 ⁻² Nm (+25 °C)				
Axis of max load	Radial 20N; axial 10N				
Impact	980/S ² , 6ms, XYZ 2 times each direction				
Anti-vibration	50m/S ² , 10-200HZ, XYZ each direction 2h				
Working life	MTBF ≥ 10000h (+25 °C, 2000rpm)				
Weight	about 0.27kg				
Environmental parameters :					
Operating temperature	30-85% non-condensing				
Storage temperature	-30 ℃~~85 ℃				

-10 °C~~70 °C

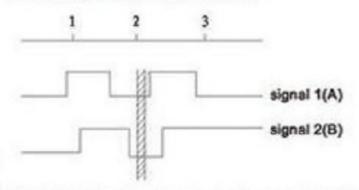
Waterproof, oil, dust IP50

* Output waveform

Operating temperature

Protective

90° Output phase difference, CW rotation (CW rotation as seen from fit surface)



A leads B clockwise when viewing the encoder shaft end. Click-stop position falls within hatched area.