

MPG - Manual Pulse Generator

JOG handwheel ISMM2080

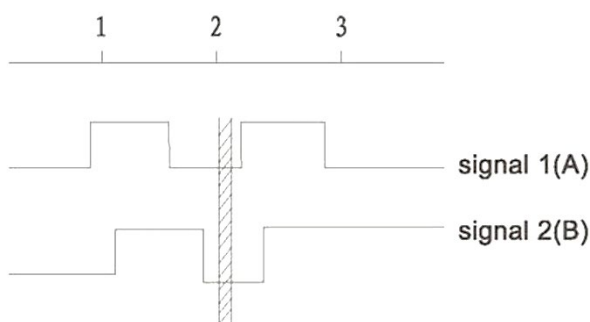
Suitable for manual pulse input type such as NC or milling machinery. High reliability, terminal connection type.
 Power supply: 5V DC, 12V DC.
 Application: Industrial tooling machinery



TECHNICAL SPECIFICATION

OUTPUT WAVEFORM

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.

ELECTRICAL SPECIFICATION	
Output wave	Square wave
Output signals	A,B, (Line driver output A,Ā,B,B̄, phase)
Current consumption	≤100mA
Response Frequency	0~20KHz
Output phase difference	90° ± 45°
Supply voltage	5VDC, 12 VDC
Signal level	V _H ≥ 85%V _{CC} , V _L ≤ 0.3V
Number of pulses	100
Output circuit	Open collector NPN, Push pull, Line driver, Volt-
MECHANICAL SPECIFICATION	
Signal position	2kind
Speed without sealing	500 rpm
Starting torque w/o sealing	≤2.0x 10 ⁻² ~6.0x 10 ⁻² Nm (+25°C)
Shock resistance	980m/s ² , 6ms, 2 times each on XYZ
Vibration proof	50m/s ² , 10~200Hz, 2 hours each on XYZ
Working life	MTBF ≥ 10000h (+25°C, 2000rpm)
Weight	Appr. 740g (incl. 1.5 meter cable)
ENVIRONMENTAL SPECIFICATION	
Working humidity	30~85% (No condensation)
Storage temperature	-30°C ~85°C
Working temperature	-10°C ~70°C
Protection class	IP54

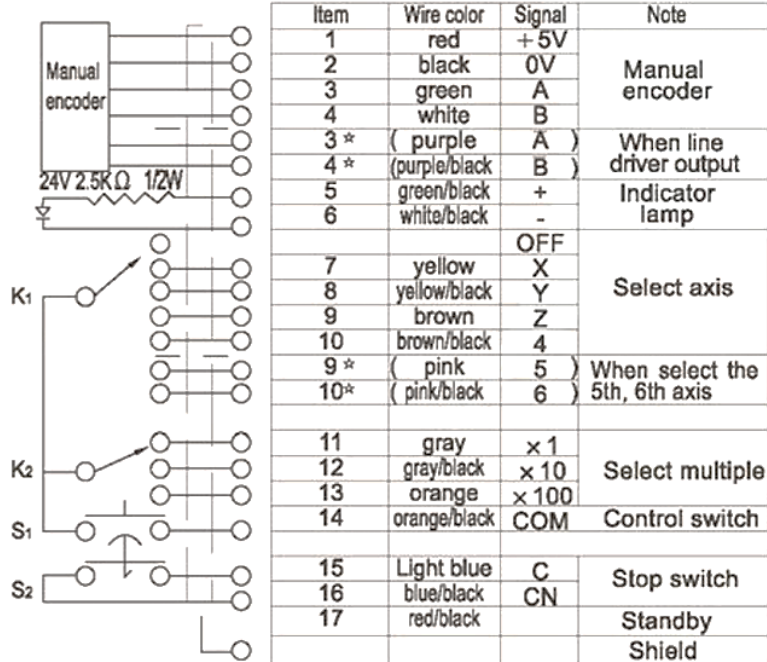
TERMINAL ASSIGNMENT

ELECTRICAL SPECIFICATION OF SELECTION SWITCH			
Switch load	0.4VA	Max. voltage	25V
Circuit width	0.1-50mA		
ELECTRICAL SPECIFICATION OF CONTROL SELECTION			
Connection Point	AC Max. load	AC220VV 0.5A	
	DC Max. load	DC24V1A	
ELECTRICAL SPECIFICATION OF STOP SWITCH			
Connection Point	AC Max. load	AC220V0.5A	
	DC Max. load	DC30V1A	

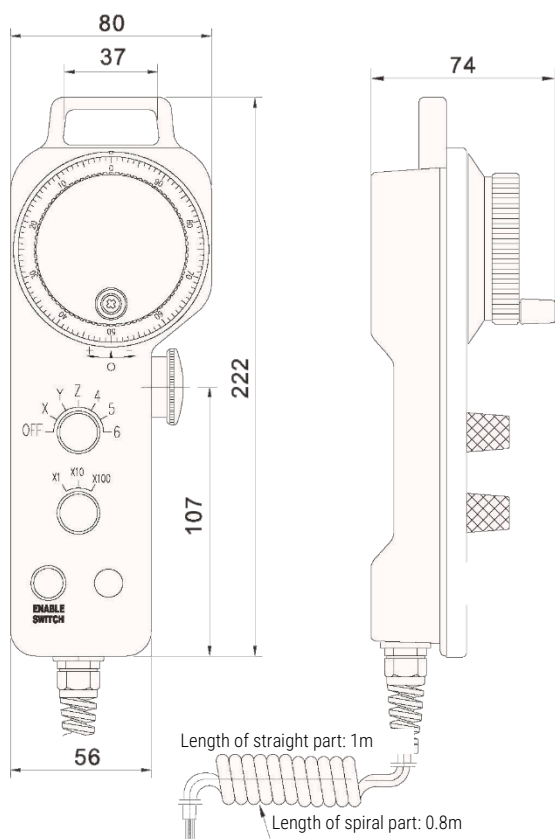
CODE

ISMM2080	-	001	100	B	-	5	L
Series		Sequence Number	Number of Pulses	Output Signals		Supply Voltage	Output Circuit

Series: ISMM2080, Number of pulses: 100p/r Output Signals: AB,
 Supply Voltage: 5V DC, Output circuit: Line driver, Record: ISMM2080-001-100B-5L



DIMENSION



In CS-Lab online store on sale in a set with CSMIO-MPG module and separately.
(suitable straight connection plug included)

www.cs-lab.eu/en