MPG - Manual Pulse Generator

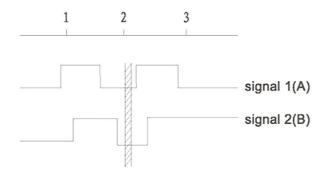
JOG handwheel ISMM2080

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



OUTPUT WAVEFORM

90°C 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.

TECHNICAL SPECIFICATION

ELECTRICAL SPECIFICATI	ON					
Output wave	Square wave					
Output signals	A,B, (Line driver output A,Ā,B,Ē, phase)					
Current consumption	≤100mA					
Response Frequency	0~20KHz					
Output phase difference	90°± 45°					
Supply voltage	5VDC, 12 VDC					
Signal level	$V_{H} \ge 85\%$ Vcc, $V_{L} \le 0.3$ V					
Number of pulses	100					
Output circuit	Open collector NPN, Push pull, Line driver, Volt-					
MECHANICAL SPECIFICATION						
Signal position	2kind					
Speed without sealing	500 rmp					
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	Ma	x. voltage	25V				
Circuit width	0.1-50mA							
ELECTRICAL SPECIFICATION OF CONTROL SELECTION								
Connection Doint	AC Max. load		AC220VV 0.5A					
Connection Point	DC Max. load		DC24V1A					
ELECTRICAL SPECIFICATION OF STOP SWITCH								
Connection Point	AC Max. load		AC220V0.5A					
	DC Max. load		DC30V1A					

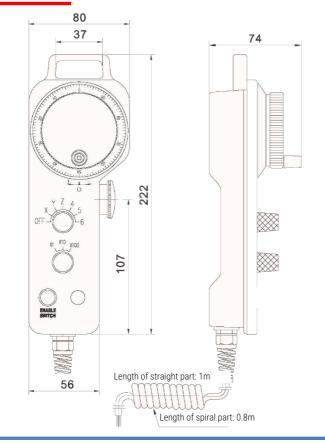
CODE

ISMM2080	-	001	100	В	-	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

	ltem	Wire color	Signal	Note
	1	red	+5V	
Manual	2	black	0V	Manual
encoder	3	green	A	encoder
	4	white	В	
	3 *	(purple	A)	When line
	4 *	(purple/black	B)	driver output
24V 2.5K 0 1/2W	5	green/black	+	Indicator
¥	6	white/black	-	lamp
			OFF	
× 0++0	7	yellow	Х	
$K_1 \longrightarrow \bar{O} \longrightarrow \bar{O}$	8	yellow/black	Y	Select axis
	9	brown	Z	
	10	brown/black	4	
	9 ×	(pink	5)	When select the
I Õ+Õ	10*	(pink/black	6)	5th, 6th axis
	11	gray	×1	
K2 0 0 0	12	gray/black	× 10	Select multiple
, <u>0</u>	13	orange	×100	
	14	orange/black	COM	Control switch
S ₁ - O - O		-		
	15	Light blue	С	Stop switch
S2	16	blue/black	CN	Stop switch
, j	17	red/black		Standby
L_0				Shield







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