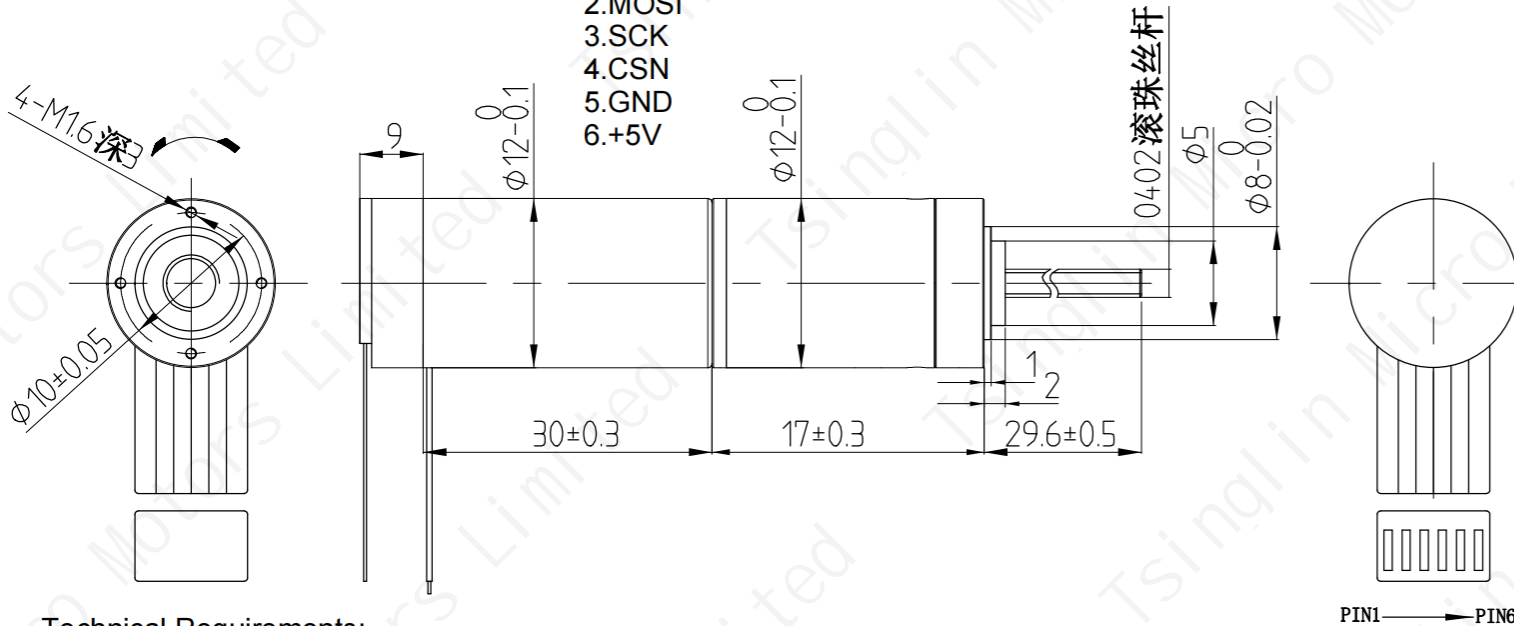


Motor Wiring Definition:
 1 U Motor 3-phase line - Yellow
 2 V Motor 3-phase line - White
 3 W Motor 3-phase line - Blue

Connector Model:
 HC-FPC-05-09-6RLTAG

Encoder Wiring Definition:
 1.MISO
 2.MOSI
 3.SCK
 4.CSN
 5.GND
 6.+5V



Technical Requirements:

- The geared motor shall have no axial play and shall withstand an axial load of $\geq 90N$.
- Normal operating environment for the geared motor: $-20^{\circ}C$ to $+50^{\circ}C$.
- The geared motor shall be installed via $\phi 5$ step positioning and 2-M2 threaded holes, as shown in the drawing.
- The geared motor shall not be subjected to frequent shocks or stalling during operation.
- When soldering wires to the motor tail, the soldering iron temperature shall not exceed $380^{\circ}C$, and the soldering time shall not exceed 3 seconds.
- The encoder shall be an absolute encoder with SPI output, providing 14-bit single-turn absolute position.

减速比 Reduction Ratio	1:4
额定电压 V Rated Voltage	24 V DC
空载转速 RPM No Load Speed	$6500 \pm 10\%$
空载电流 mA No Load Current	$\leq 150mA$
额定转速 RPM Rated Speed	$5128 \pm 10\%$
额定电流 mA Rated Current	$\leq 400mA$
额定扭矩 Kgf.cm Rated Torque	0.3
堵转电流 mA Stall Current	$\leq 1200mA$
堵转扭矩 Kgf.cm Stall Torque	$\geq 1Kg.cm$
是否可堵转 Stall allowed or not	否

备注:
Remarks

- 电源正极接电机+极时输出轴旋向为CCW.

更改记录				项目编号	HP12X	数量	
变更单号	变更内容	责任人	变更日期	姓名	日期	比例	重量
						1:1	版本
						材料	A
						视角	尺寸
						热处理要求	
						表面处理要求	
						QA	
UNSPECIFIED TOLERANCE TO BE REFERED TO GB/T 1804-2000 m CLASS (eqv. ISO 2768-1:1989) 未注公差等级参考: GB/T 1804-2000 m 级, 等价于ISO 2768-1:1989 标准				名称		Tsinglin Micro Motors Limited	
				HP12X-1W2W6-24-4			
				减速电机			