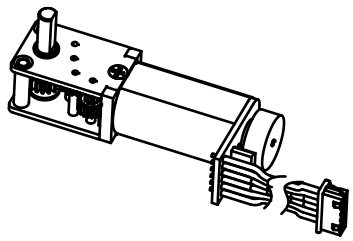
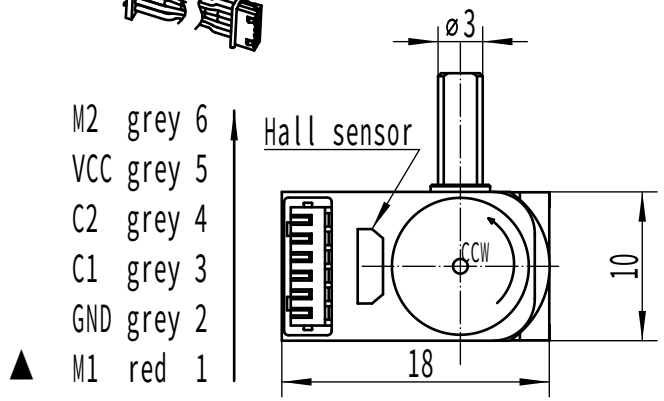
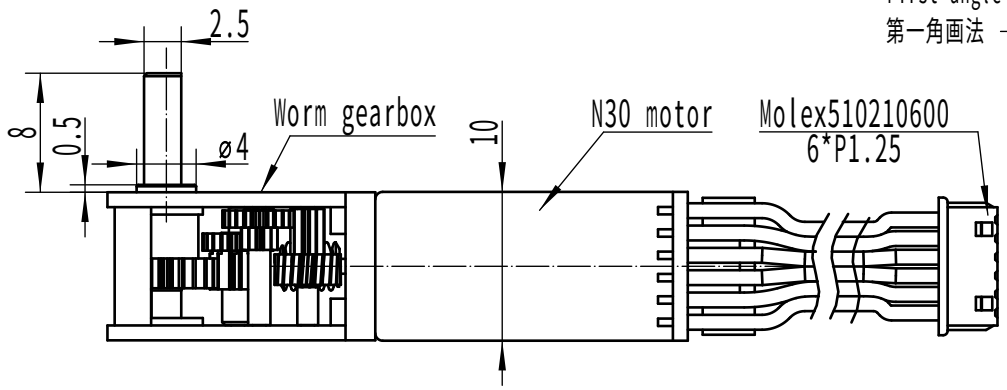
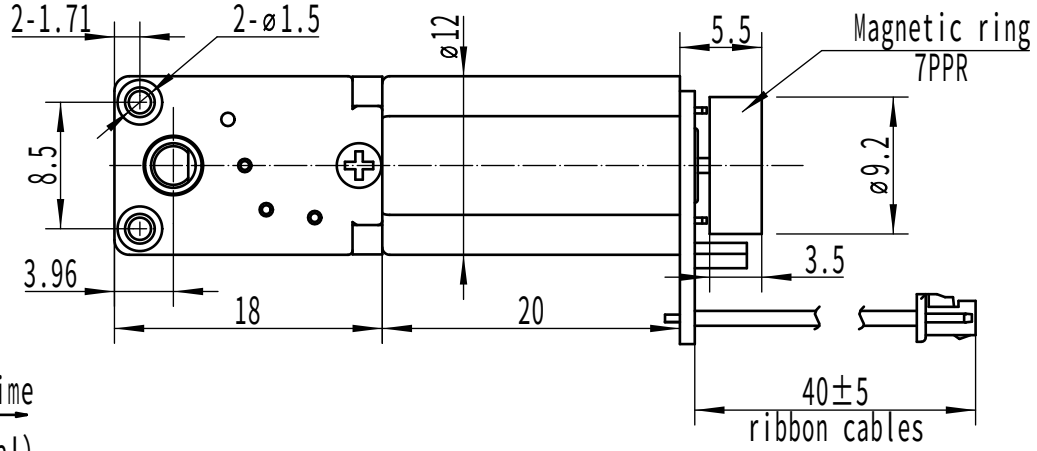
驱动电压 Driving voltage	空载转速 No load speed	空载电流 No load current	负载转速 Rated speed	负载电流 Rated current	负载力矩 Rated torque	堵转力矩 Stall torque	堵转电流 Stall current	减速比 Gear ratio	噪音 Noise	齿轮背隙 Back lash	寿命 Life time
10 VDC	9.7 RPM	25 mA	8.2 RPM	50 mA	0.6 kgf.cm	4 kgf.cm	255 mA	1030:1	<45dB	3 deg	200 h



Unit: Millimeters
First angle method
第一角画法







6 pins of encoder:

No.	Code	Description
6	M2	Motor power 1
5	+(VCC)	Encoder power +(VCC 5V)
4	C2	Signal pin 2
3	C1	Signal pin 1
2	-(GND)	Encoder power -(GND)
1	M1	Motor power 2

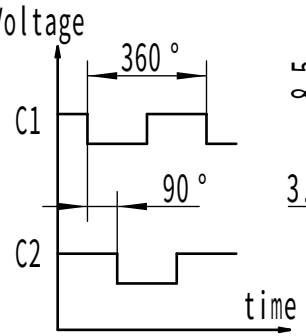


Figure 1 (signal)

Note:

1.Unmarked tolerance refer to GB/T 1804-m
2. M1 connect power +, M2 -, motor rotating direction is CCW, see from magnet
3. According to the description note 2, the signal is as shown in the figure 1.

标记	处数	更改文件名	签 字	日 期
▲	B1*1	lead sequence	kingyy	2026.03.30
※	REV-B	Connector cable change	Tony Lee	2026-1-30
※	REV-A	Connector cable change	Tony Lee	2026-1-6

设 计	kingyy		
		日 期	2026-03-30

N30+gearbox+encoder

Assembly
REV-C

CZ Vic-Tech Motor Technology

N30-1812-1030G-8D-7PPR

图 样 标 记	重 量	比 例
SAMPLE	12g	2:1
共 1 张	第 1 张	