



电机参数 Motor specifications		02A	03A	01A	04A
1 额定电压 (Nominal voltage)	V	15	24	28	36
2 空载转速 (No load speed)	rpm	15000	15000	15000	15000
3 空载电流 (No load current)	mA	150	180	220	200
4 额定转速 (Nominal speed)	rpm	13500	13500	13500	13500
5 额定转矩 (Nominal torque)	mNm	47.75	48.25	48.46	47.69
6 额定电流 (Nominal current)	A	5.14	3.32	2.92	2.26
7 堵转转矩 (Stall torque)	mNm	477.5	482.5	484.6	476.9
8 堵转电流 (Stall current)	A	50	31.58	27.18	20.81
9 相间电阻 (Terminal resistance)	Ω	0.3	0.76	1.03	1.73
10 转矩常数 (Torque constant)	mNm/A	9.55	15.28	17.8	22.9
11 速度常数 (Speed constant)	rpm/V	1000	625	535.7	416.7
12 机械时间常数 (Mechanical time constant)	ms	2.34	2.31	2.3	2.34
13 转子惯量 (Rotor inertia)	gcm ²	7.45	7.45	7.45	7.45

可配减速箱 Optional gearbox

GPA32 见Page 97

可配编码器 Optional encoder

EM22 增量式(Incremental) 1-1024ppr 1-3通道(channel) 见Page 103

EM22 绝对式(Absolute) 14 bit single turn 见Page 104

端子数据 Terminal data

端子型号Terminal model: Pin 1 ~ Pin 3 AWG22 Pin 4 ~ Pin 8 AWG26
 Pin 1 电机绕组Motor winding 1 Red Pin 2 电机绕组Motor winding 2 Yellow Pin 3 电机绕组Motor winding 3 Blue Pin 4 霍尔传感器Hall GND White
 Pin 5 霍尔传感器Hall sensor 1 Green Pin 6 霍尔传感器Hall sensor 2 Yellow Pin 7 霍尔传感器Hall sensor 3 Brown Pin 8 霍尔传感器Hall VCC DC 3.3~5V Grey

其他参数 Other specifications

工作温度范围 (Operating temperature range)	-20...+80°C	轴承类型 (Bearing type)	滚珠轴承 (Ball bearings)
极对数 (Number of pole pairs)	2	电机重量 (Weight of motor)	136g
相数 (Number of phases)	3		