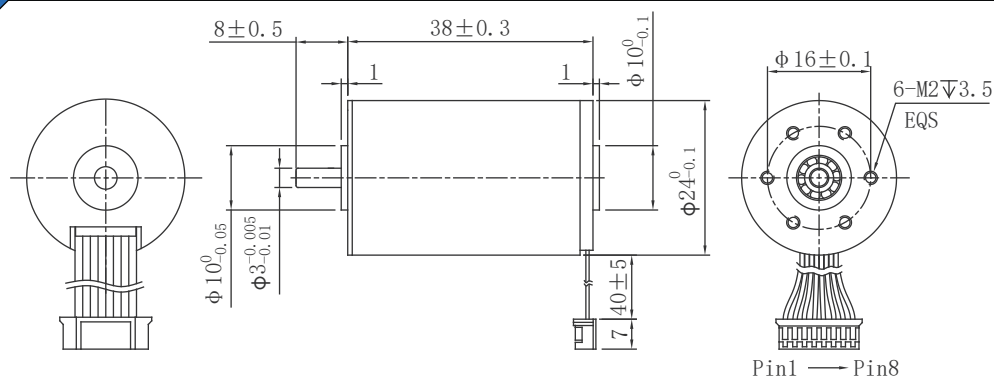




电机参数 Motor specifications

		05A	01A	03A	04A
1 额定电压 (Nominal voltage)	V	24	30	30	32
2 空载转速 (No load speed)	rpm	9000	19000	20500	17500
3 空载电流 (No load current)	mA	100	90	110	90
4 额定转速 (Nominal speed)	rpm	8100	17100	18500	15800
5 额定转矩 (Nominal torque)	mNm	6.49	14.33	16.39	13.04
6 额定电流 (Nominal current)	A	0.35	1.03	1.27	0.83
7 堵转转矩 (Stall torque)	mNm	68.4	150.8	172.5	137.3
8 堵转电流 (Stall current)	A	2.68	10	12.35	7.86
9 相间电阻 (Terminal resistance)	Ω	8.94	3	2.43	4.07
10 转矩常数 (Torque constant)	mNm/A	24.95	14.77	13.69	17.11
11 速度常数 (Speed constant)	rpm/V	375	633	683	546
12 机械时间常数 (Mechanical time constant)	ms	4.54	4.35	4.1	4.4
13 转子惯量 (Rotor inertia)	gcm ²	3.45	3.45	3.45	3.45

可配减速箱 Optional gearbox

G22MF 见Page 95

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: 8Pin-26# 3302 引线黑色+JST端子 PH2.0

Pin 1 电机绕组Motor winding 3

Pin 2 电机绕组Motor winding 1

Pin 3 电机绕组Motor winding 2

Pin 4 霍尔传感器Hall GND

Pin 5 霍尔传感器Hall sensor 1

Pin 6 霍尔传感器Hall sensor 2

Pin 7 霍尔传感器Hall sensor 3

Pin 8 霍尔传感器Hall Vcc 3.3~5V

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)

1

电机重量 (Weight of motor)

47g

相数 (Number of phases)

3