

# J52M-285-24-05

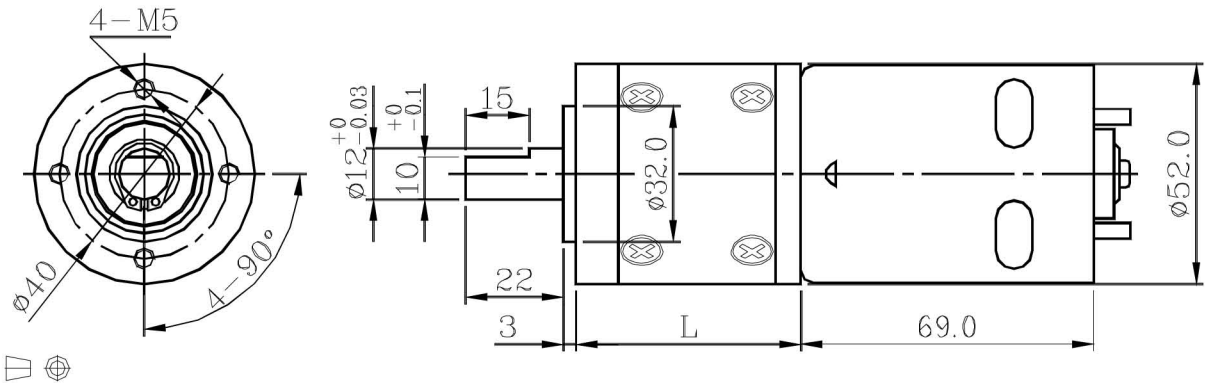
DC Carbon-brush motors  
Geared Motor

\* for Jaguar V2 Arm Drive

Reduction Ratio	L
1/285	99.5



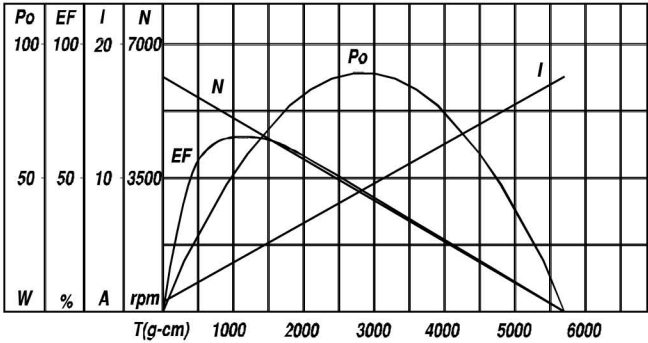
APPEARANCE SIZE



Geared Motor Torque / Speed

	Reduction Ratio	1/285
24V	Rated torque (kg-cm)	92
	Rated speed (rpm)	19

Motor Characteristics



Motor Data

( V )	( g - cm )	( rpm )	( mA )	( rpm )	( mA )	( W )
Rated volt	Rated torque	Rated speed	Rated current	No load speed	No load current	Rated output
24	650	5450	≤2750	6000	≤750	48.3

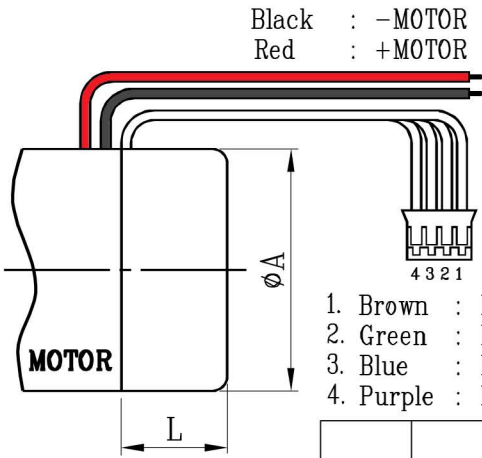
## Magnetic Encoder

Two Channel Hall Effect Encoder

20%~85%RH  
Operating relative humidity

-10°C~+60°C  
Operating temperature range

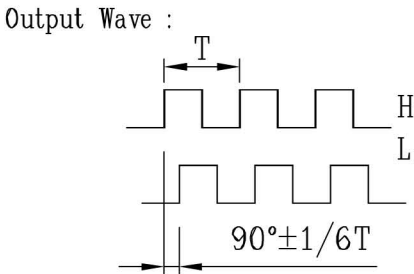
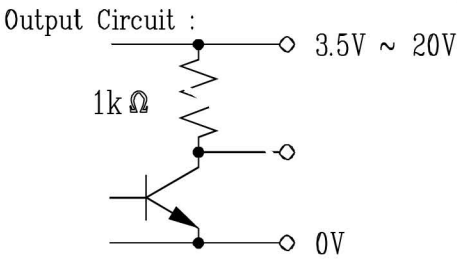
APPEARANCE SIZE



Connections :

1. Brown : HALL SENSOR Vcc
2. Green : HALL SENSOR GND
3. Blue : HALL SENSOR A Vout
4. Purple : HALL SENSOR B Vout

φA	L	COUNTS POLES OF PER TURN (PPR)
φ42.5	15.5	5



Electrical Characteristics

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN.	REF.	MAX.	UNITS
Supply Voltage	Vcc	---	3.5	-	20	V
Output Saturation Voltage	Vce(sat)	Vcc=14V ; Ic=20mA	-	300	700	mV
Output Leakage Current	Icex	Vce=14V ; Vcc=14V	-	< 0.1	10	μV
Supply Current	Ice	Vcc=20V Output open	-	5	10	mA
Output Rise Time	tr	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS
Output Fall Time	tf	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS