

Technical drawing of a motor assembly, showing dimensions, wiring diagram, and performance parameters.

Dimensions:

- Overall length: 33.5 ± 0.5
- Shaft diameter: $\phi 8$
- Motor body diameter: $\phi 4_{-0.01}^0$
- Shaft length: 5.85 $_{-0.35}^0$
- Shaft thread: M8×0.5
- Shaft diameter: $\phi 1.5_{-0.01}^0$
- Shaft length: 1.65 $_{-0.35}^0$
- Shaft diameter: $\phi 1.3_{-0.05}^0$
- Shaft length: 2.75 $_{-0}^{+0.2}$
- Shaft diameter: $\phi 1.5_{-0.01}^0$
- Shaft length: 0.9 $_{-0.3}^0$
- Shaft diameter: $\phi 1.5_{-0.01}^0$
- Shaft length: 3.3 $_{-0.2}^0$
- Shaft diameter: $\phi 1.5_{-0.01}^0$
- Shaft length: 3.3 $_{-0.2}^0$

Wiring Diagram:

PIN	WIRING
PIN1	MOTOR+
PIN2	MOTOR-
PIN3	NC
PIN4	GND
PIN5	Vcc
PIN6	A
PIN7	B
PIN8	I
PIN9	-
PIN10	-
PIN11	-
PIN12	-

Encoder:

TYPE	MAGNETIC CODE
NUMBER OF CHANNELS	3
VOLTAGE	3.3 ± 10%
COUNTS PER TURN	2
OUTPUT CURRENT	-4...4
OUTPUT SIGNAL	INC
DIRECTION OF ROTATION	A BEFORE B CW
COUNTS PER TURN	256
OPERATING TEMPERATURE RANGE	-40°C ~ 100°C
OUTPUT SIGNAL DRIVER	Single Ended CMOS

Performance Parameters:

PARAMETER	VALUE	UNIT
SUPPLIER VOLTAGE	12	V/DC
GEARBOX RATIO	1:16	
ROTATION (VIEWED FROM SHIFT END)	CW	
NO-LOAD SPEED	780 ± 10%	RPM
NO-LOAD CURRENT	≤ 30	mA
MAX CONTINUOUS SPEED	430 ± 10%	RPM
MAX CONTINUOUS CURRENT	≤ 80	mA
MAX CONTINUOUS TORQUE	6.7	mN.M
POWER	302	mW
WITHSTAND VOLTAGE	300V AC/50HZ/5mA/1S	
INSULATION RESISTANCE	100/250V	MΩ

Timing of the A, B, I out put:

360°/pulses per turn

Customer:

Wiring Chart:

Line color line sequence:

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LINER	ANGULAR	CHECK	DATE
0~3	±0.2	0~10	±1.5°
3~6	±0.5	10~50	±1°
6~30	±0.8	50~120	±30'
30~120	±1.5	120~400	±15'

DINGS

SIZE: A3 **SHEET:** 1/1 **SCALE:** 3:1 **REV:** A

MODEL: 8ZYCC24P-G16-B256-1

TESTING PIN MODEL: TE 1-1734839-2

0.3 REF