

BKL4

2023/03/22

Overview

3 Phase outer rotor type DC Brushless Motor

Driver circuit built-in

Bearing : Can select Oil retaining bearing or Ball bearing

Connection : Connector TOP TYPE

JST : BM05B-SRSS-TB or JCTC : 11002W00-5P-S

SIDE TYPE

JST : SMO5B-SRSS-TB or JCTC : 11002W90-5P-S

Interface (5 terminals) Power Supply : 4.5 - 26.4V

GND : (Short to Frame)

FG : 6 pulses per rotation, 5V, square-wave

The switchable 1FG or 1/2FG or 1/3FG

VSP or PWM : Rotational speed adjustment terminal

VSP : 0V - 5V (1V> : stop, 4.4V< : Full acceleration)

PWM : 0 - 5V, 15 - 100kHz (ON-level : 2V - 5V)

(Duty3%> : stop, Duty100% : Full acceleration)

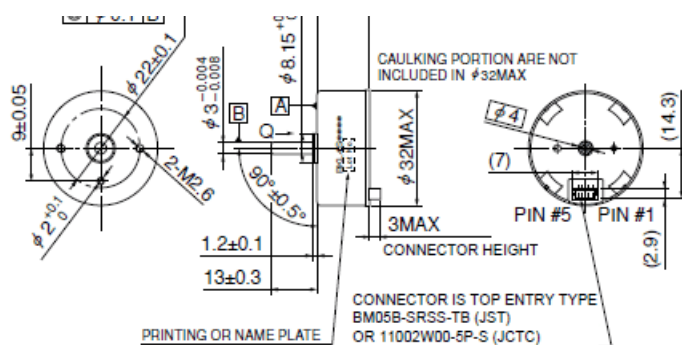
CW / CCW switch

0.8V> : CCW, 1.3V - 2.0V : Brake-mode, 2.5V< : CW

Overall View

BKL4

2023/03/22



Specification

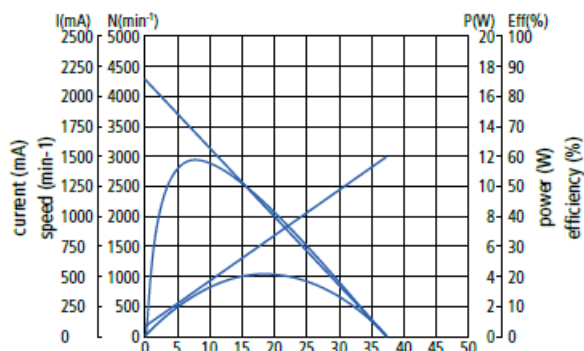
Outer Diameter [mm]	No load speed [r/min]	Starting torque [mN · m]	Maximum output power [W]	Starting torquy [%]	Speed at maximal efficiency [r/min]	Speed at max output power [r/min]
32.0	4300	40.0	4.2(at 18mN·m)	60(at 7mN·m)	3500	2200

Life at 20 deg.C [hour]
5000

* Major characteristic parameters at 12V.

Please contact our sales for detail specification & order lot QTY. (All custom product by customer's requirement)

Property diagram



BKL4

2023/03/22

torque (mN·m)

※ Adjustable by winding