

## 29BLY-Brushless DC Motor:

- General Specifications**

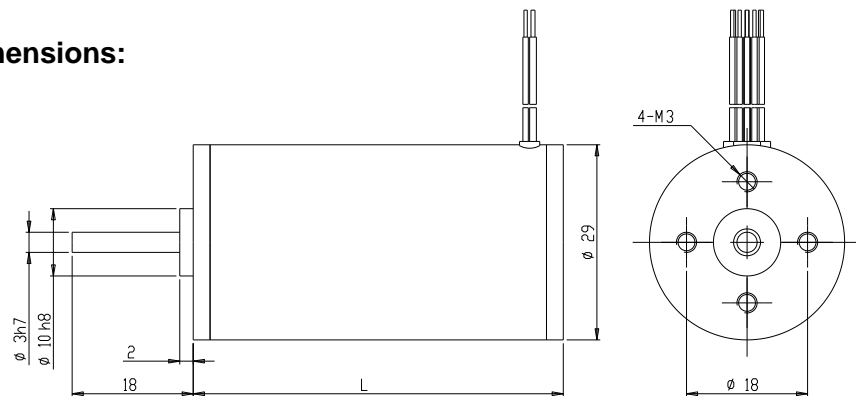
Winding connection	STAR
Sensor position	120°
Insulation Class	B
Ambient temperature	-20°C~+50°C
Insulation resistance	100MΩ Min.500V DC
Dielectric strength	500V AC 1minute



- Electrical Specifications**

Model		29BLY40	29BLY40	29BLY55	29BLY55
Items	Unit	-1258	-2428	-1253	-2473
Body length (L)	mm	40	40	55	55
Rated voltage	V	12	24	12	24
Rated Speed	RPM	5800	2800	5300	7300
Rated torque	Nm	0.012	0.008	0.018	0.024
Rated current	Amp	1.1	0.21	1.5	1.7
Rated power	Watts	7	2.3	10	18
Peak torque	Nm	0.036	0.024	0.054	0.072
Peak current	Amps	3.3	0.63	4.5	5.1
Torque constant	Nm/Amp	0.011	0.038	0.012	0.014
Back EMF	V/krpm	1.6	6.0	1.8	2.9
Rotor inertia	g.cm <sup>2</sup>				
Weight	Kg				
# of poles / # of phase		4P/3PH			

- Mechanical Dimensions:**



- Wiring Diagram**

