

36BL Series Brushless Dc Motor

FT AUTOMATION

Observe • Understand • Solve

General specification

Item	Specification
Winding type	Delta
Hall effect angle	120degree electrical angle
Shaft run out	0.025mm
Radial play	0.02mm@450g
End play	0.08mm@450g
Max.radial force	15N@10mm from the flange
Max.axial force	10N
Insulation class	Class B
Dielectric Strength	500VDC for one minute
Insulation resistance	100M Ω Min.500VDC



Electric connection

Lead NO.	Lead Color	Lead Gauge	Function	DESCRIPTION
1	Red	UL1007/26AWG	VCC	SUPPLY VOLTAGE FOR HALL SENSORS
2	Black		GND	GROUND FOR HALL SENSORS
3	Yellow		HALL A	
4	Green		HALL B	
5	Blue	UL1007/20AWG	HALL C	
6	Yellow		PHASE U	
7	Green		PHASE V	
8	Blue		PHASE W	

Technique Specification

Model	Phase	Rated Voltage	Rated Speed	Rated Torque	Rated Power	Weight	Body length
		VDC	rpm	g.cm	W	Kg	mm
36BL01-1	3	12	4000	120	5	0.15	40
36BL01-2	3	24	5000	190	10	0.15	40
36BL02-1	3	12	6000	120	8	0.18	50
36BL02-2	3	24	6000	230	15	0.18	50
36BL03-1	3	12	8000	240	20	0.22	60
36BL03-2	3	24	8000	300	25	0.22	60

Drawing

