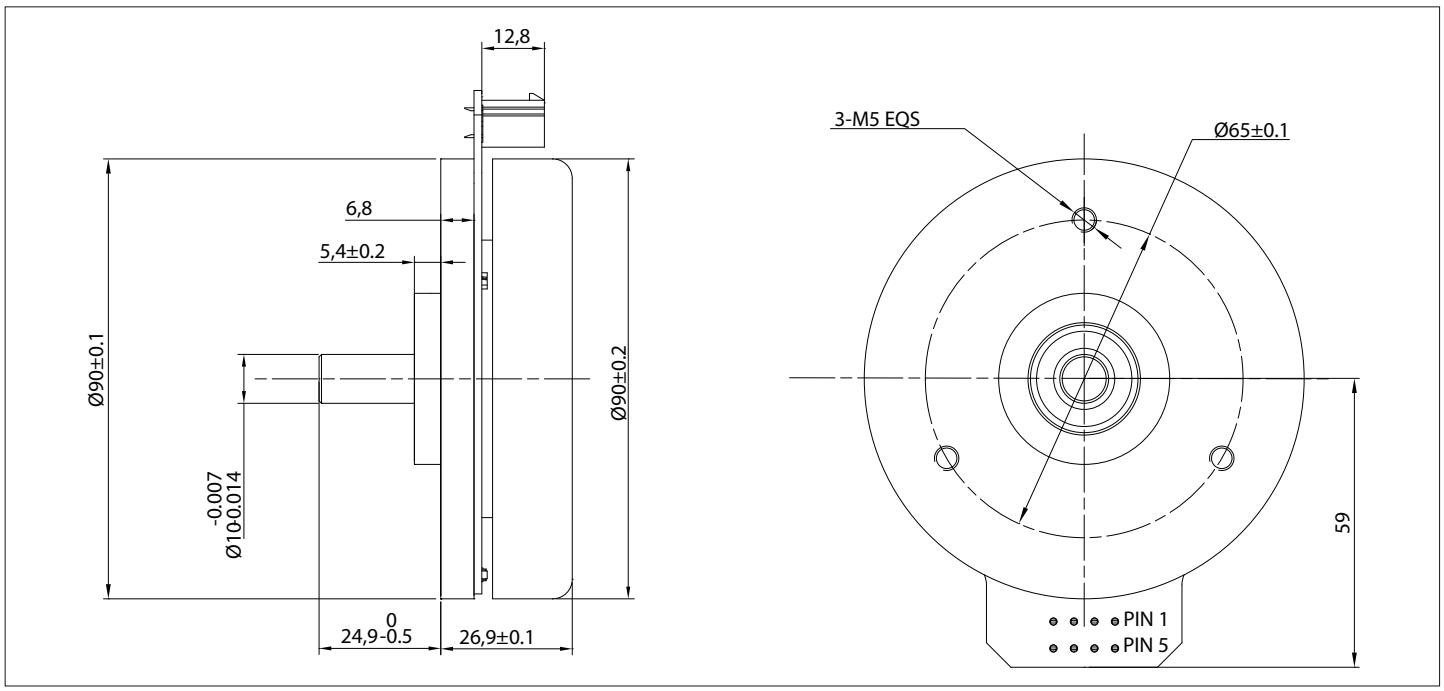


SPECIFICATION

	Model		90BLW27-24V	90BLW27-36V
1	N° of pole		22	22
2	N° of phase		3	3
3	Rated Voltage	V	24	36
4	Rated Speed	rpm	2720	2510
5	Rated Torque	Nm	0,457	0,56
6	Max Peak Torque	Nm	1,8	1,8
7	Torque Constant	Nm/A	0,067	0,11
8	Line to Line Resistance	Ω	0,21	0,5
9	Line to Line inductance	mH	0,19	0,5
10	Max Peak Current	A	23	14,5
11	Rated Current	A	6,82	5,09
12	No-Load Current	mA	650	420
13	Length	mm	27	27
14	Rotor Inertia	g-cm^2	3000	3000
15	Weight	Kg	0,6	0,6

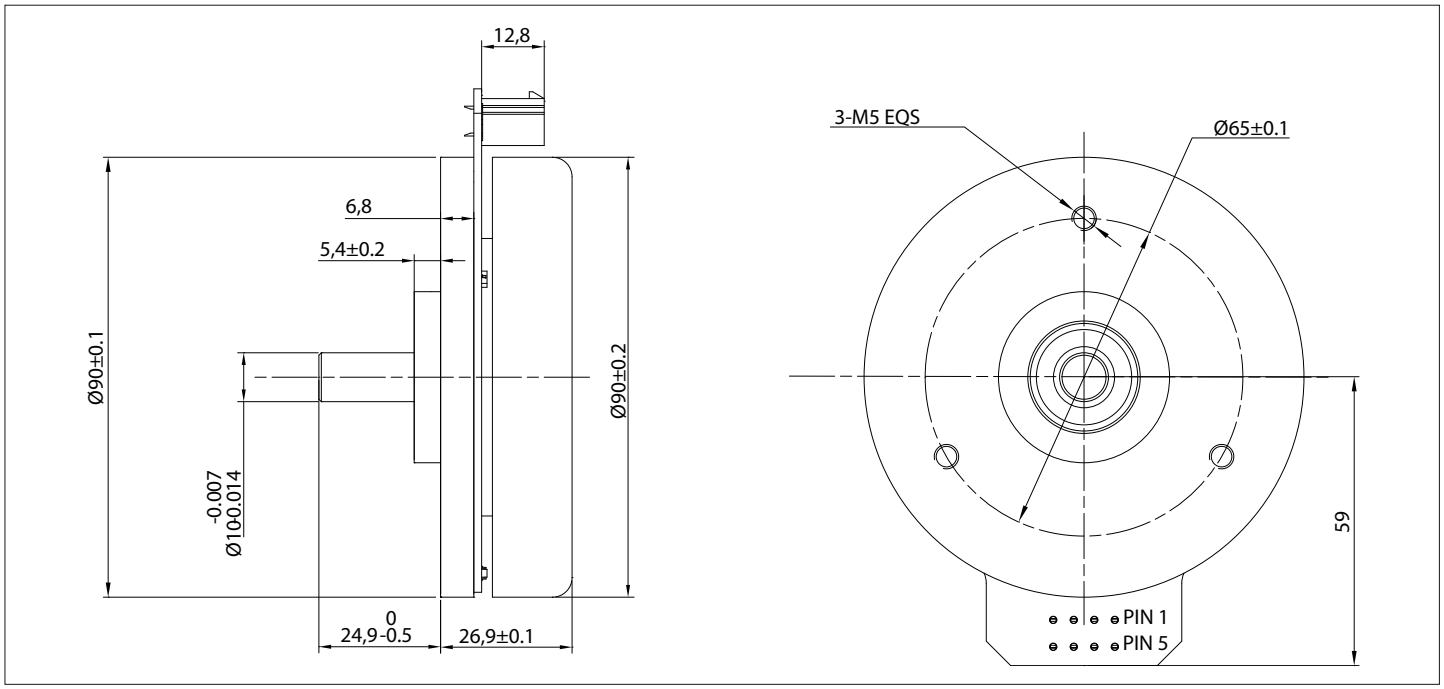
CONNECTION

Pin N°	Connector	Function
3	Mini-Fit Jr	Vcc Hall Sensor +5 - 24 V
1	Mini-Fit Jr	Hall A
2	Mini-Fit Jr	Hall B
5	Mini-Fit Jr	Hall C
6	Mini-Fit Jr	GND
7	Mini-Fit Jr	Phase W
8	Mini-Fit Jr	Phase V
4	Mini-Fit Jr	Phase U

CHARACTERISTICS

Item	
Hall Effect Angle	120°
Shaft Run Out	0,05 mm
Insulation Class	B
Radial Play (450 g load)	0,02 mm
Axial Play (450 g load)	0,08 mm
Max Radial Force (10 mm from front flange)	110N
Max Axial Force	45N
Dielectric Strength	500 VAC for one minute
Insulation Resistance	100 Mohm min. 500 VDC

Brushless Flat 90BLW27



SPECIFICATION

	Model		90BLW27-48V	90BLW27-60V
1	N° of pole		22	22
2	N° of phase		3	3
3	Rated Voltage	V	48	60
4	Rated Speed	rpm	1610	2200
5	Rated Torque	Nm	0,533	0,46
6	Max Peak Torque	Nm	1,8	1,8
7	Torque Constant	Nm/A	0,22	0,21
8	Line to Line Resistance	Ω	2,1	2
9	Line to Line inductance	mH	2	1,8
10	Max Peak Current	A	7,5	7,5
11	Rated Current	A	2,42	2,19
12	No-Load Current	mA	300	260
13	Length	mm	27	27
14	Rotor Inertia	g-cm^2	3000	3000
15	Weight	Kg	0,6	0,6

CONNECTION

Pin N°	Connector	Function
3	Mini-Fit Jr	Vcc Hall Sensor +5 - 24 V
1	Mini-Fit Jr	Hall A
2	Mini-Fit Jr	Hall B
5	Mini-Fit Jr	Hall C
6	Mini-Fit Jr	GND
7	Mini-Fit Jr	Phase W
8	Mini-Fit Jr	Phase V
4	Mini-Fit Jr	Phase U

CHARACTERISTICS

Item	
Hall Effect Angle	120°
Shaft Run Out	0,05 mm
Insulation Class	B
Radial Play (450 g load)	0,02 mm
Axial Play (450 g load)	0,08 mm
Max Radial Force (10 mm from front flange)	110N
Max Axial Force	45N
Dielectric Strength	500 VAC for one minute
Insulation Resistance	100 Mohm min. 500 VDC