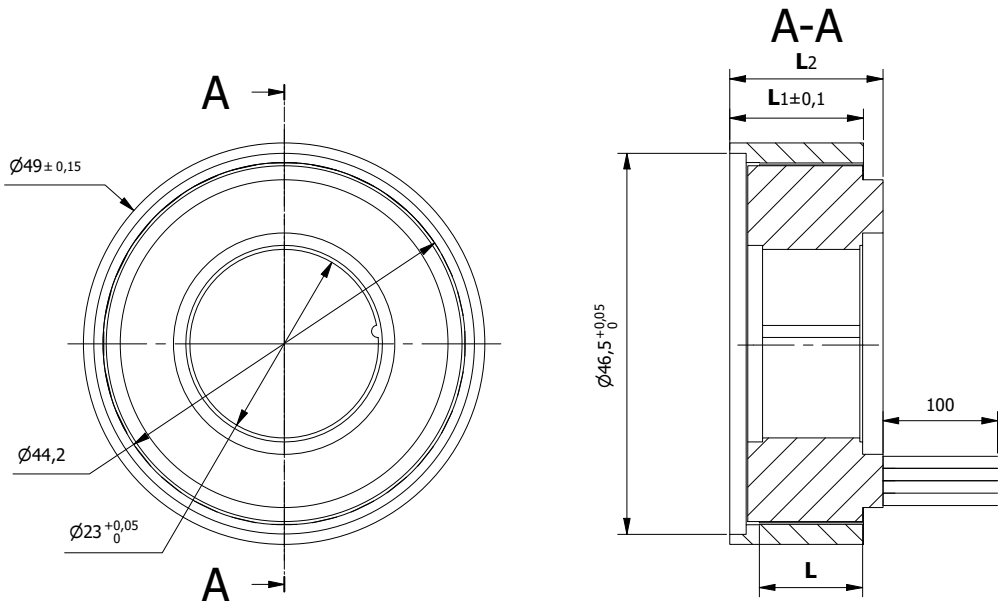
Brushless Frameless Out-Rotor Motor 49BLFOR

Ø 49mm

0,3Nm



Optional: Thermistor

Specification			
	Model		49BLFOR12
1	n° of Pole		28
2	n° of Phase		3
3	Rated Voltage	V	24
4	Rated Speed	rpm	1200
5	Max. Speed	rpm	1820
6	Rated Torque	Nm	0,3
7	Max. Peak Torque	Nm	1,1
8	Torque Constant	Nm/A	0,153
9	Rated Current	A	2,2
10	Max. Peak Current	A	7,9
11	No-Load Current	A	0,25
12	Line to Line Resistance	Ω	1,5
13	Line to Line Inductance	mH	0,68
14	Rotor Inertia	gcm2	TBD
15	Back EMF	Vrms/Krpm	9,3
16	Stator height (L)	mm	12,5
17	Rotor height (L1)	mm	16,3
18	Length (L2)	mm	18,7
19	Weight	g	TBD

Characteristics	
Item	
Hall Effect Angle	120°
Insulation Class	B 130°C
Dielectric strength (for 1 sec.)	600 VAC
Insulation Resistance (min. 500 VDC)	10 Mohm
Operating ambient temperature	-20°C to +50°C
Humidity	max. 85% not condensing

Connection		
Color	Gauge	Function
White	AWG24	Phase U
Red	|	Phase V
Black	|	Phase W

