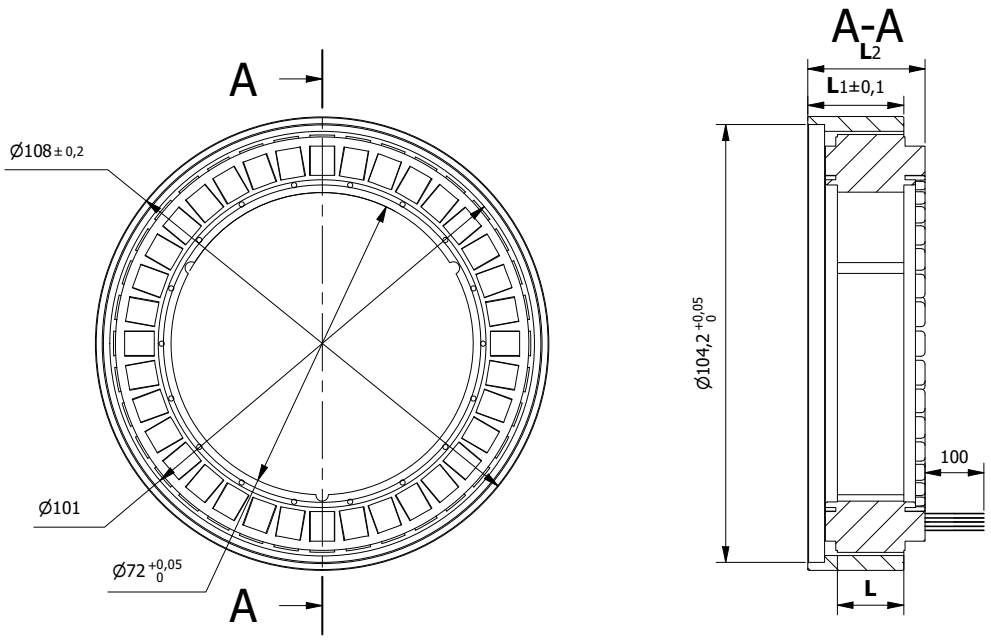
Brushless Frameless Out-Rotor Motor 108BLFOR Ø 108mm

3,6Nm



Optional: Thermistor

Specification			
	Model		108BLFOR38
1	n° of Pole		42
2	n° of Phase		3
3	Rated Voltage	V	48
4	Rated Speed	rpm	1500
5	Max. Speed	rpm	1900
6	Rated Torque	Nm	3,6
7	Max. Peak Torque	Nm	13,9
8	Torque Constant	Nm/A	0,281
9	Rated Current	A	14,5
10	Max. Peak Current	A	56
11	No-Load Current	A	2
12	Line to Line Resistance	Ω	0,17
13	Line to Line Inductance	mH	0,2
14	Rotor Inertia	gcm2	4555
15	Back EMF	Vrms/Krpm	17
16	Stator height (L)	mm	15,8
17	Rotor height (L1)	mm	22,8
18	Length (L2)	mm	27,9
19	Weight	g	514

Characteristics	
Item	
Hall Effect Angle	120°
Insulation Class	B 130°C
Dielectric strength (for 1 sec.)	1200 VAC
Insulation Resistance (min. 500 VDC)	100 Mohm
Operating ambient temperature	-20°C to +50°C
Humidity	max. 85% not condensing

Connection		
Color	Gauge	Function
Yellow	AWG16	Phase U
Red	|	Phase V
Black	|	Phase W

