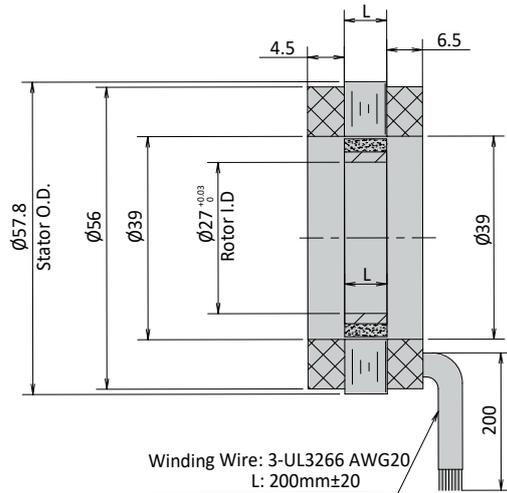


PBLR58FH Series

Ø58mm

Frameless Brushless DC Motor



General Specifications

Winding Type	Star/Delta
Dielectric Strength	600VAC/1S
Insulation Resistance	100MΩ,500VDC
Ambient Temperature	-20°C~+50°C
Insulation Class	Class B

Wiring Connection

Type	Color	Function
UL3266 AWG20	Yellow	Phase U
	Green	Phase V
	Blue	Phase W

Electrical Specifications

Motor Model	Unit	PBLR58FH-481030	PBLR58FH-482030
Number of Phase		3	
Number of Poles		16	
Rated Voltage	VDC	48	
Rated Speed	RPM	3,000	
Rated Torque	N.m	0.32	0.64
Rated Power	W	100	200
Rated Current	A	2.9	5.6
Peak Current	A	5.8	11.2
Peak Torque	N.m	0.64	1.28
Rotor Inertia	kg.cm ²	0.1	0.15
Torque Constant	N.m/A	0.1	0.1
EMF Constant	V/krpm	8.5	8.5
Line-Line Resistance	Ω	2.2	0.9
Line-Line Inductance	mH	2.2	1.0
Length	mm	7	15
Weight	kg	0.4	0.5