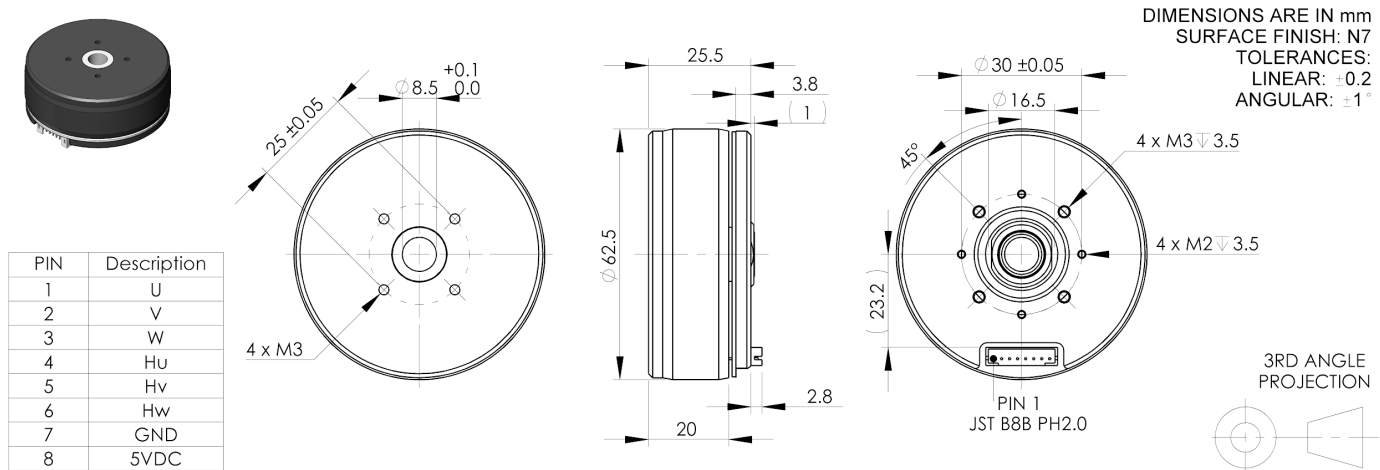


762-C01 Brushless motor Slotted (outrunner)

Ø62 x 25mm / no shafts / with sensors



Design and accessories		Units	Samples available	Manufacturable on request	Custom design
			762-C01		762-XXX
A	Availability		Stocked design		8 weeks
B	Motor Type		Brushless		Brushless
C	Commutation		Digital Hall		Sensored / sensorless
D	Shafts		Not fitted		Dual / single
E	Encoder		Not fitted		Magnetic / optical
F	Gearbox		Not fitted		Range 1:3 ~ 1:10000
G	Connections		IST B8B PH2.0		To requirement
H	Cable		Not fitted		To requirement
I	Housing Material		Aluminium alloy		Aluminium alloy
I	Body diameter	mm	62		
K	Body length	mm	25		
L	Weight	g	283.0		

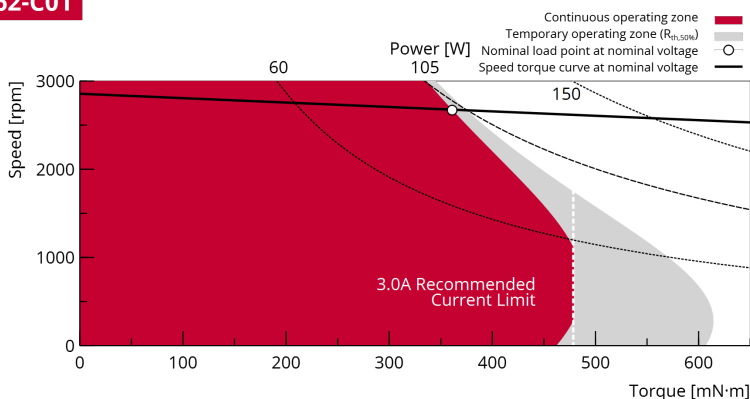
Performance characteristics					
1	Nominal voltage	v	48		This motor can be wound for nominal voltages in a 12 ~ 48V range. Nominal load, no load, and stall points, and efficiency will depend on the winding design. Please contact support@nmdri.com
2	No load speed	rpm	2 860		
3	No load current	A	0.23		
4	Nominal speed	rpm	2 660		
5	Nominal torque	mNm	362		
6	Nominal current	A	2.50		
7	Stall torque	mNm	5 468		
8	Stall current	A	34.29		
9	Maximum efficiency	%	84.30		

Winding specific characteristics					
10	Terminal resistance	Ω	1.40		Winding dependent
11	Terminal inductance	mH	1.95		
12	Torque constant (Kt)	mNm/A	160		
13	Speed constant (Kv)	rpm/V	60		
14	Speed / torque gradient	rpm/mNm	0.5		
15	Mechanical time constant	ms	2.2		
16	Rotor inertia	g·cm²	406		

Motor body characteristics				Operating range (based on ambient 25°C)
17	Thermal resistance housing-ambient	°C/W	4.9	762-C01
18	Thermal resistance winding-housing	°C/W	1.2	
19	Thermal time constant winding	s	43	
20	Thermal time constant motor	s	1 353	
21	Ambient temperature	min	°C	-30
		max	°C	100
22	Max. permissible winding temperature	°C	150	
23	Max. permissible rotor speed	rpm	3 500	
25	Radial play		Preloaded	
26	Max. axial load (dynamic)	kN	1.7	

* Recommended current limit 3.0A

29	Number of pole pairs	7
30	Number of winding phases	3



Detailed datasheets, and stocked samples, are available upon request. Please contact support@precisionmicrodrives.com

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