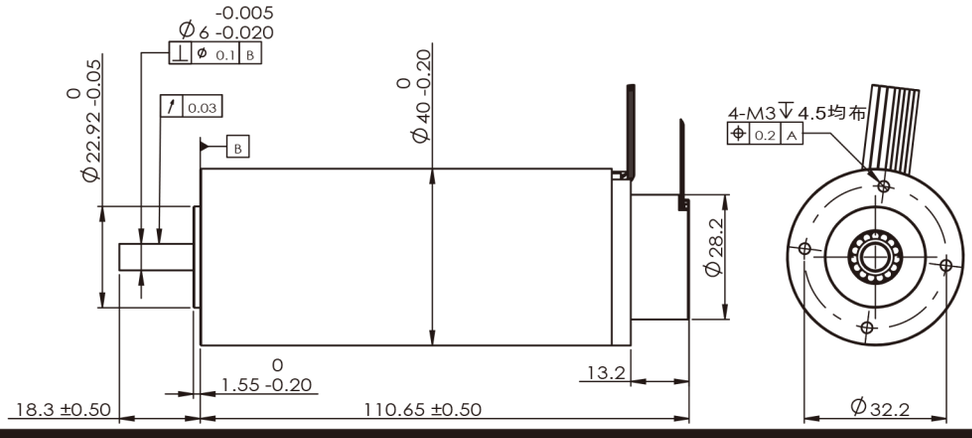
SBRS40111B | Brushless



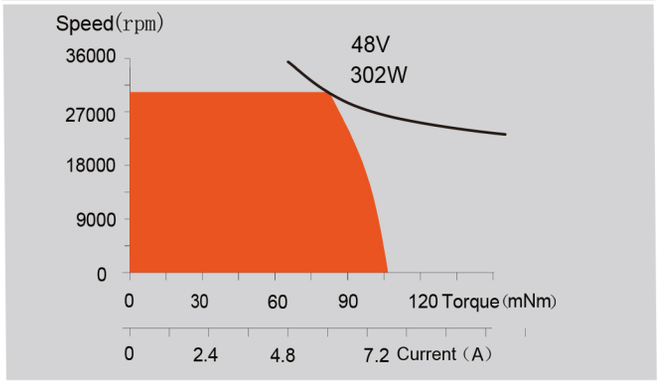
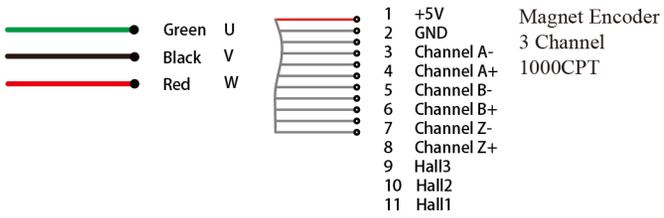
Motor Data

	Motor model			SBRS4011148B			
1	Nominal voltage	V	V	48			
2	No load speed	rpm	Wnl	34000			
3	No load current	mA	InI	<400			
4	Nominal speed	rpm	Wc	31000			
5	Nominal torque	mNm	Tc	93			
6	Nominal current	A	Ic	6.6			
7	Output power	W	Pc	302			
8	Stall torque	mNm	Tmax	1988			
9	Stall current	A	Imax	141			
10	Max. efficiency	%	ηmax	89			
11	Terminal resistance	Ω	Rt	0.34			
12	Terminal inductance	L	mH	0.2			
13	Torque constant	mNm / A	Kt	14.1			
14	Speed constant	rpm / V	Kn	677			
15	Speed torque gradient	rpm / mNm	Δn / ΔT	32.26			

Specifications

1	ambient temperature	Ta	-20~+65 ℃
2	max. winding temperature	Tcoilmax	+85 ℃
3	max. speed	Nmax	34000 rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		3
7	weight of motor	Wt	595 g
8	Max. axial load (dynamic)		8N
9	Max. force for press fits (static)		211N
10	Max. radial load, 4 mm from flange		80N

Operating Range



Terminal definitions