

BLDC Motor · B2030N2B- · \varnothing 20 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			70-12.0-001	433-12.0-001
Rated voltage	U	V	12	12
Terminal resistance	R	Ohm	11	0.37
No load speed	n_0	rpm	7000	43300
No load current	I_0	mA	100	600
Stall torque	T_s	mNm	14.74	82.8
Rated torque	T	mNm	6.5	11.4
Rated speed	n	rpm	3900	37300
Rated current	I	mA	3500	5000
Power	$P_{max.}$	W	2.7	45
Max. efficiency	η	%	45	75
Back-EMF constant	K_E	mV/rpm	1.56	0.27
Torque constant	K_T	mNm/A	14.88	2.6
Rotor inertia	J_{Rotor}	gcm ²	1.35	1.35
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	474	523
Weight		g	46	46.0
Length	L	mm	30	30
Operational conditions*				
Temperature range	T	°C	-20 ~ +100	
Axial force dynamic	F_{Adyn}	N	2	
Axial force static	F_{St}	N	20	
Radial force at 3 mm from mounting face	F_R	N	3	

* at 25°C

Commutation	sensorless / Hallsensor as option
Max. winding temperature	130 °C
Protection class	IP 40
Bearings	2 Ball bearings

Dimension (mm) · B2030N2B:

