

# BLDC Motor · B2940N2B- · $\varnothing$ 29 mm

**Specifications** Please consult your authorized sales representative for custom specifications.

Type			354-24.0-001	133-24.0-001
Rated voltage	U	V	24	24
Terminal resistance	R	Ohm	1.1	1.16
No load speed	$n_0$	rpm	35400	13290
No load current	$I_0$	mA	650	450
Stall torque	$T_s$	mNm	133	342
Rated torque	T	mNm	20	77
Rated speed	n	rpm	30000	10300
Rated current	I	mA	3.8	5
Power	$P_{max}$	W	68.5	83
Max. efficiency	$\eta$	%	69	63
Back-EMF constant	$K_E$	mV/rpm	0.66	1.77
Torque constant	$K_T$	mNm/A	6.28	16.9
Rotor inertia	$J_{Rotor}$	gcm <sup>2</sup>	4.4	5
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	266	38.9
Weight		g	115	140
Length	L	mm	40	50
<b>Operational conditions*</b>				
Temperature range	T	°C	-20 ~ +100	
Axial force dynamic	$F_{Adyn}$	N	10	
Axial force static	$F_{St}$	N	62	
Radial force at 3 mm from mounting face	$F_R$	N	50	

\* at 25° C

Commutation	Hallsensor, optional sensorless
Max. winding temperature	130 °C
Protection class	IP 40
Bearings	2 Ball bearings

## Dimension (mm) · B2940N2B:

