

# BLDC Motor · B05540NH2B- · $\varnothing$ 55 mm

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

Type			184-24.0-001
Rated voltage	U	V	24
Terminal resistance	R	Ohm	0.45
No load speed	$n_0$	rpm	18400
No load current	$I_0$	mA	530
Stall torque	$T_s$	mNm	651.6
Rated torque	T	mNm	58.7
Rated speed	n	rpm	16700
Rated current	I	mA	5290
Power	$P_{max.}$	W	102
Max. efficiency	$\eta$	%	81
Back-EMF constant	$K_E$	mV/rpm	1.292
Torque constant	$K_T$	mNm/A	12.34
Rotor inertia	$J_{Rotor}$	$gcm^2$	504
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	28.22
Weight		g	203
Length	L	mm	39.3
<b>Operational conditions*</b>			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	$F_{Adyn}$	N	4
Axial force static	$F_{St}$	N	50
Radial force at 3 mm from mounting face	$F_R$	N	6

\* at 25° C

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

## Dimension (mm) · B05540NH2B:

