

BLDC Motor · B03831NH2B- · \varnothing 38 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type	290-24.0-001		
Rated voltage	U	V	24
Terminal resistance	R	Ohm	0.48
No load speed	n_0	rpm	29000
No load current	I_0	mA	1100
Stall torque	T_s	mNm	378
Rated torque	T	mNm	57
Rated speed	n	rpm	23700
Rated current	I	mA	10000
Power	$P_{max.}$	W	171
Max. efficiency	η	%	72
Back-EMF constant	K_E	mV/rpm	0.81
Torque constant	K_T	mNm/A	7.73
Rotor inertia	J_{Rotor}	gcm ²	28
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	76.7
Weight		g	150
Length	L	mm	30.5
Operational conditions*			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	F_{Adyn}	N	2
Axial force static	F_{St}	N	50
Radial force at 3 mm from mounting face	F_R	N	2

* at 25° C

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

Dimension (mm) · B03831NH2B:

