

BLDC Motor · B02316N2B- · \varnothing 23 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type	183-10.5-001		
Rated voltage	U	V	10.5
Terminal resistance	R	Ohm	0.32
No load speed	n_0	rpm	18300
No load current	I_0	mA	360
Stall torque	T_s	mNm	176
Rated torque	T	mNm	17
Rated speed	n	rpm	16600
Rated current	I	mA	3500
Power	$P_{max.}$	W	29.5
Max. efficiency	η	%	80
Back-EMF constant	K_E	mV/rpm	0.57
Torque constant	K_T	mNm/A	5.4
Rotor inertia	J_{Rotor}	gcm^2	7.3
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	105
Weight		g	16
Length	L	mm	16
Operational conditions*			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	F_{Adyn}	N	0.5
Axial force static	F_{St}	N	10
Radial force at 3 mm from mounting face	F_R	N	0.6

* at 25° C

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

Dimension (mm) · B02316N2B:

