

BLDC Motor · B1635N2B- · \varnothing 16 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type	450-12.0-001		
Voltage	U	V	12
Terminal resistance	R	Ohm	0.35
No load speed	n_0	rpm	45000
No load current	I_0	mA	0.35
Stall torque	T_s	mNm	85.5
Rated torque	T	mNm	7.8
Rated speed	n	rpm	40900
Rated current	I	mA	3.45
Power	$P_{max.}$	W	33.5
Max. efficiency	η	%	81
Back-EMF constant	K_E	mV/rpm	0.264
Torque constant	K_T	mNm/A	2.52
Rotor inertia	J_{Rotor}	gcm ²	1.5
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	526
Weight		g	40
Length	L	mm	35
Operational conditions*			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	F_{Adyn}	N	0.3
Axial force static	F_{St}	N	10
Radial force at 3 mm from mounting face	F_R	N	0.3

* at 25° C

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

Dimension (mm) · B1635N2B:

