



MOTOR SPECIFICATION

No. of Poles		6
Rated Voltage	V DC	24
Current - Rated / Peak	A	5 /15
Resistance Line to Line	±10% Ω	0.57
Inductance Line to Line (1kHz)	±20% mH	0.63
Torque - Rated / Peak	Nm	0.23 /0.69
Torque Constant	Nm/A	0.045
Back-EMF Constant	V _{rms} /krpm	3.84
Rated Power	W	84
Speed - No Load / Rated	±10% rpm	4800 /3500
Rotor Inertia	kg m ²	7.5 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG18
	Rd	V	
	Bk	W	

Max. Axial Force F_a	N	15
Max. Radial Force F_r ($a_1 = 5$ mm)	N	130
Axial Play	$F_a = 10$ N	mm -0.03
Radial Play	$F_r = 5.0$ N	mm 0.02

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-10 ... 50
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
		Date	Name
		Drawn	04.12.2017
		Checked	27.11.2018
		Approved	27.11.2018
02	change depth thread M2.5	Schneid_A	27.11.2018
REV	Rev. Text	Name	Rel. Date



Weight: 0.52 kg	
DB59S024035-B	
03000119	-
State: Released	Rev: 02
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