

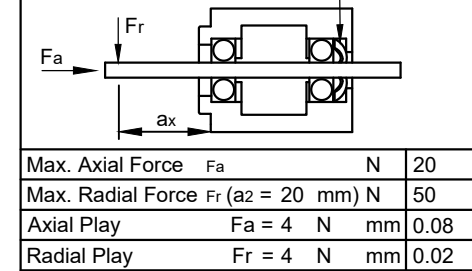
MOTOR SPECIFICATION

No. of Poles	14
Rated Voltage	V DC 24
Current - No Load / Rated / Peak	A 0.65/5.6 /17
Resistance Line to Line	±10% Ω 0.25
Inductance Line to Line (1kHz)	±20% mH 0.2
Torque - Rated / Peak	Nm 0.29 /0.87
Torque Constant	Nm/A 0.054
Back-EMF Constant	V _{rms} /krpm 3.75
Rated Power	W 110
Speed - No Load / Rated	±10% rpm 4400 /3700
Rotor Inertia	kg m ² 100 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG18
	Rd	V	
	Bk	W	
Hall 42 Impl. per Rev.	Rd	+5V	UL1332 AWG26
	Bu	H1	
	Gn	H2	
	Wh	H3	
	Bk	GND	

A-Shaft Preload Spring B-Shaft



GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 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

REV	Rev. Text	Name	Date
03	additionally 4x M4	Schneid_A	21.04.2020
02	cha. lead wire, tol.	Schneid_A	26.03.2020
01	change weight	Schneid_A	08.01.2020

Date Name Weight: 0.47 kg

Drawn 21.11.2018 Schneid_A
 Reviewed 28.11.2019 Hofstet._M
 Released 28.11.2019 Hofstet._M

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State: Released Rev: 03 CONFIDENTIAL

