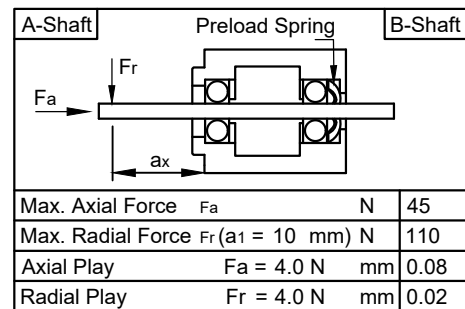


Connector: MOLEX 39-28-1083



MOTOR SPECIFICATION

No. of Poles		22
Rated Voltage	V DC	48
Current - No Load / Rated / Peak	A	0.4 / 4.3 / 13
Resistance Line to Line	$\pm 10\%$ Ω	0.6
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.66
Torque - Rated / Peak	Nm	0.964 / 3.0
Torque Constant	Nm/A	0.23
Rated Power	W	170
Speed - No Load / Rated	$\pm 10\%$ rpm	1900 / 1670
Rotor Inertia	kg m ²	500 $\times 10^{-6}$

WIRING DIAGRAM

	PIN	Function
Motor	7	U
	8	V
	4	W
Hall	3	Vcc
	1	H1
66 Impl.	2	H2
	5	H3
per Rev.	6	GND

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	M Ω	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	Date	Name
03	change no load current	Schneid_A	23.04.2020	20.11.2019	Schneid_A
02	change values	Schneid_A	08.01.2020	23.04.2020	Hofstet._M
01	change inductance	Schneid_A	05.12.2019	23.04.2020	Hofstet._M
REV	Rev. Text	Name	Date		

Weight: 1.0 kg

DFA90L048017-A

20000047

State: Released

Rev: 03

CONFIDENTIAL

A4 Page 1

