

Connector: MOLEX 2074790003

Connector: MOLEX 5023821270

MOTOR SPECIFICATION

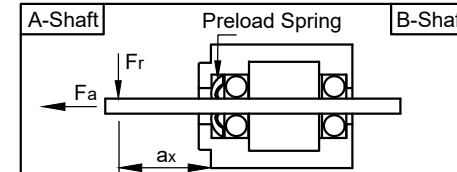
No. of Poles		16
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	0.5 / 3.5 / 10
Resistance Line to Line	±10% Ω	0.56
Inductance Line to Line (1kHz)	±20% mH	0.27
Torque - Rated / Peak	Nm	0.13 / 0.39
Torque Constant	Nm/A	0.0369
Speed - No Load / Rated	±10% rpm	6100 / 4840
Rotor Inertia	kg m ²	18.1 x 10 ⁻⁶

WIRING DIAGRAM

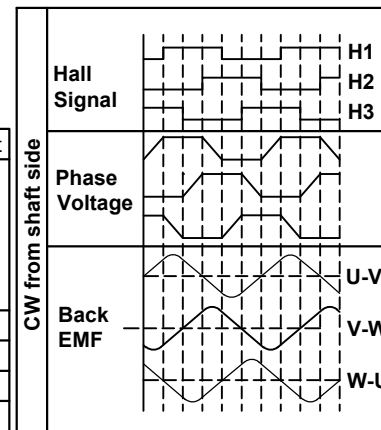
	PIN	Function	Connector
Motor	1	U	MOLEX 2074790003
	2	V	
	3	W	
Encoder	1	VCC	MOLEX 5023821270
	2	A\	
	3	A	
	4	B\	
	5	B	
	6	n.c.	
	7	n.c.	
	8	H1	
	9	H2	
	10	H3	
	11	Housing	
	12	GND	

ENCODER SPECIFICATION

Operating Voltage	V DC	5
Resolution	cpr	1024
Resolution (cpr with quadrature)	ppr	4096
No. of Channels		2
Signal Type	incremental	
Index / Line Driver	no / yes	



Max. Axial Force Fa	N	10
Max. Radial Force Fr (a1 = 10 mm)	N	28
Axial Play Fa = 4.0 N	mm	0.14
Radial Play Fr = 4.0 N	mm	0.02



GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 55
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	600

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Date	Name
				17.03.2022	Schneid_A
				28.03.2022	Sejdini_B
				28.03.2022	Sejdini_B
01	new pos. electr. compo.	Schneid_A	17.05.2022		
REV	Rev. Text	Name	Date		



Weight: ~0.16 kg	
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State: Released	Rev: 01 CONFIDENTIAL