



MOTOR SPECIFICATION		
Voltage	V DC	4.32
Current per Winding	A	0.8
Resistance per Phase (25°C)	±15% Ω	5.6
Inductance per Phase (1 kHz)	±20% mH	2.3
Holding Torque	Nm	0.03
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	0.36 × 10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ... 50
Max. Temperature Rise (at standstill - 2 phases energized)	°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

TYPE OF CONNECTION			
Series	Pin No.	Wire Col.	Winding
A	1	BK	[Symbol]
A\	3	GN	
B	6	RD	[Symbol]
B\	4	BU	

A-Shaft		Preload Spring		B-Shaft	
Max. Axial Force F_a	N	4			
Max. Radial Force F_r ($a_1 = 5$ mm)	N	10			
Axial Play	$F_a = 4$ N	mm	0.08		
Radial Play	$F_r = 4$ N	mm	0.02		

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: ~0.08 kg
			Date	Name
			Drawn 23.06.2021	Schneid_A
			Reviewed 02.07.2021	Strempe_A
02	changed pinout	Pinther_M	07.12.2021	Released 02.07.2021
01	changed values	Hofstet_M	12.07.2021	Released 02.07.2021
REV	Rev. Text	Name	Date	

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