



MOTOR SPECIFICATION		
Voltage	V DC	3.0
Current per Winding	A	1.2
Resistance per Phase (25°C)	±15% Ω	2.5
Inductance per Phase (1 kHz)	±20% mH	2.9
Holding Torque	Nm	0.18
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	2.0 x10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ... 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.	Winding
A	2	
A\	1 (GND)	
B	3	
B\	4	
*	6 (GND)	
*	5	

A-Shaft		Preload Spring		B-Shaft	
F_a	F_r	a_x	a_1	a_2	
Max. Axial Force F_a	N	7			
Max. Radial Force F_r ($a_1 = 5$ mm)	N	58			
Max. Radial Force F_r ($a_2 = 20$ mm)	N	20			
Axial Play	$F_a = 4.5$ N	mm	0.08		
Radial Play	$F_r = 4.5$ N	mm	0.02		

* PIN 1 AND PIN 6 CONNECT WITH HOUSING OF MOTOR

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: 0.18 kg		
			Date	Name	SC3518M1204-B	
			Drawn	04.12.2017		Import
			Reviewed	20.08.2020		Hofstet_M
			Released	20.08.2020		Hofstet_M
01	Dimension added	Schneid_A	20.08.2020	01000118		
REV	Rev. Text	Name	Date			A4 Page 1
				State: Released	Rev: 01	
				CONFIDENTIAL		