



Max. Axial Force F_a	N	4
Max. Radial Force F_r ($a_1 = 5$ mm)	N	30
Max. Radial Force F_r ($a_2 = 20$ mm)	N	8
Axial Play $F_a = 10$ N	mm	0.075
Radial Play $F_r = 5$ N	mm	0.025

TYPE OF CONNECTION			
Bipolar	Pin No.	Wire Col.	Winding
A	1	BK	[Symbol]
A\	2	GN	
B	3	RD	[Symbol]
B\	4	BU	

MOTOR SPECIFICATION		
Voltage	V DC	4.8
Current per Winding	A	0.8
Resistance per Phase (25°C)	±15% Ω	6.0
Inductance per Phase (1 kHz)	±20% mH	2.2
Holding Torque	Nm	0.036
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	0.43 x 10 ⁻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

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
			Date
			Name
			Drawn
			Reviewed
			Released
08	modified prod. process	Reith_S	15.12.2023
REV	Rev. Text	Name	Date

Replacement for drawing from 02.06.06		Weight: ±10% 0.09 kg
ST2018L0804-A		
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