



TYPE OF CONNECTION			
Bipolar	Pin No.	Wire Col.	Winding
A	1	BN	[Symbol]
A\	2	OG	
B	3	RD	[Symbol]
B\	4	YE	

MOTOR SPECIFICATION		
Voltage	V DC	2.8
Current per Winding	A	1.4
Resistance per Phase (25°C)	±15% Ω	2.0
Inductance per Phase (1 kHz)	±20% mH	1.6
Holding Torque	Nm	0.13
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	2.0 × 10 ⁻⁶

4

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	Replacement for drawing from 06.10.2006	Weight: ~0.15 kg
			Date	Name	ST4118X1404-B
			Drawn	Schneid_A	
			Reviewed	Reith_S	
			Released	Reith_S	
04	change hold. torque	Schneid_A	24.03.2022	20001409	
REV	Rev. Text	Name	Date	State: Released	A4 Page 1
				Rev: 04	CONFIDENTIAL

Nanotec
PLUG & DRIVE