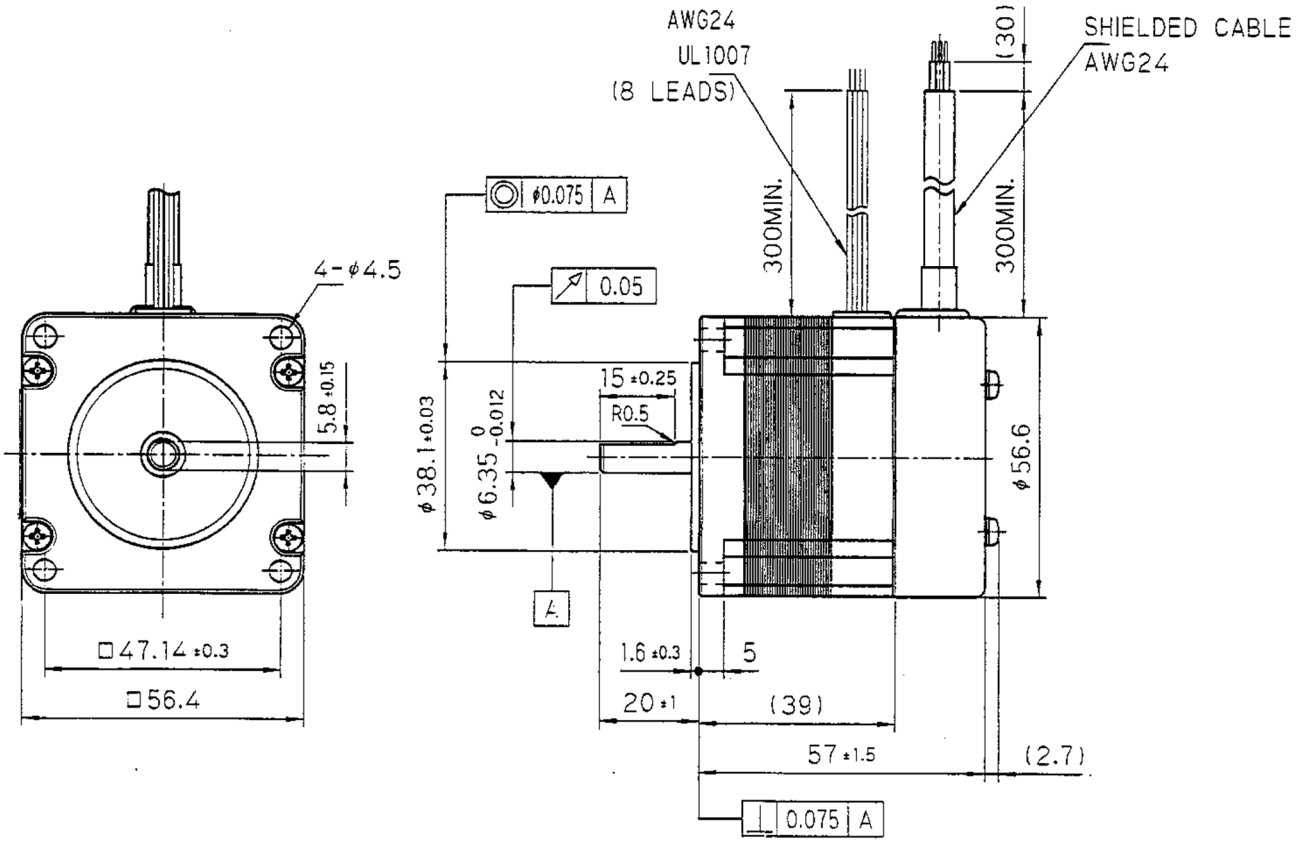
SECM264... Series

2-Phase Step Motor with Encoder

[1,8° High-Torque-Version]

Model P = Line Drive 200 Counts/Turn	Bipolar Parallel				Bipolar Seriell				Unipolar				Speed Torque
	Holding Torque [Nm]	Current / Phase [A]	Resistance / Phase [Ohm]	Inductance / Phase [mH]	Holding Torque [Nm]	Current / Phase [A]	Resistance / Phase [Ohm]	Inductance / Phase [mH]	Holding Torque [Nm]	Current / Phase [A]	Resistance / Phase [Ohm]	Inductance / Phase [mH]	
SECM264-E2.0P2200	0.5	2.8	0.7	1.4	0.5	1.4	2.8	5.6	0.39	2	1.4	1.4	l
SECM264-E3.0P2200	0.5	4.2	0.3	0.5	0.5	2.1	1.2	2	0.39	3	0.6	0.5	m

Number of Leads	Weight of Motor & Encoder	Size Lenght	Rotor Inertia
8	0.52 kg	59.7 mm	120 x 10^{-7} kgm²



Planetary Gears are optionally available

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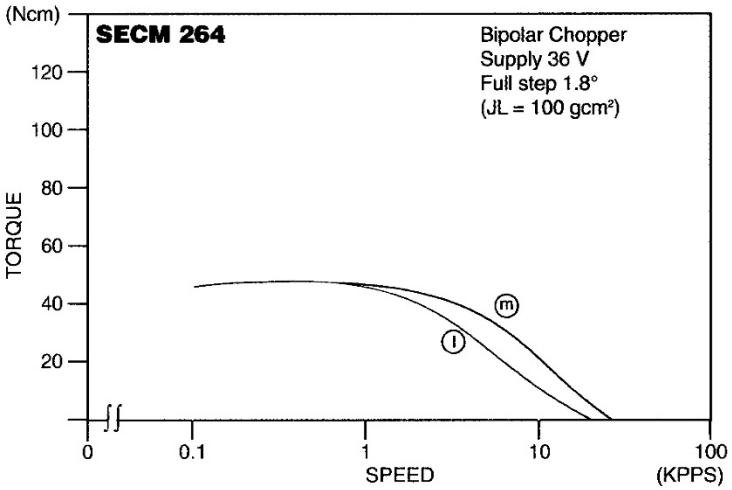
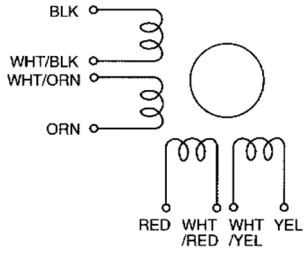


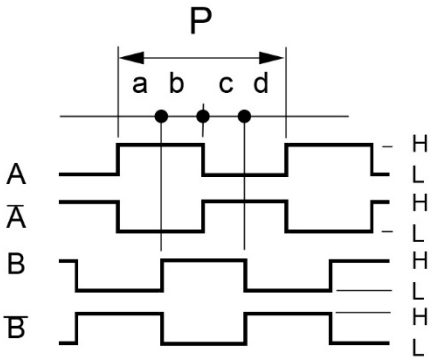
Color of lead wires

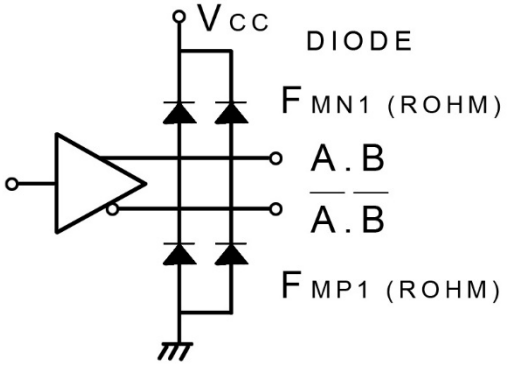


Encoder Performance

Operating Temp.range : 0°C – 85°C
Supply : DC 5V ± 5% , 100mA max
Resolution : 200 Counts / Turn
Frequence Response : 100K Hz max.
A phase difference : 1/4 P ± 1/8 P
Code : Incremental A.B (2Ch.)

Output Signal : when output is high : DC 2.4V min
Output Signal : when output is low : DC 0.4V max
Sinking & Output Currend : typical ± 20mA max
Rise & Fall Times : 1 µsec max
Moment of inertia : 5 g-cm² max Encoder only
Output Circuit : Line Driver AM26C3IIDB





CW Rotation viewed from mounting end. Encoder signal A and B position is “H” at Motor 2Phase on.

Color of Leadwires and Funktion :

DC 5V = red	A phase = brown	Ā phase = orange
GND = blue	B phase = yellow	B̄ phase = gray

(Old-Version)

A phase = brown	Ā phase = orange
B phase = yellow	B̄ phase = white
DC 5V = red	GND = black

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