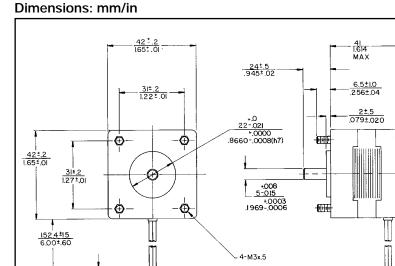


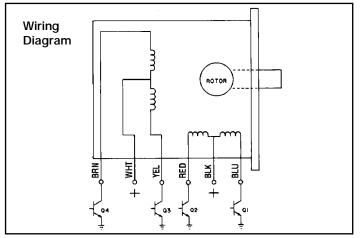
## **Specifications**

Part Number	4SQ - 120B34S
DC Operating Voltage	12
Res. per Winding $\Omega$	5
Ind. per Winding mH	26
Holding Torque mN•m/oz-in <sup>†</sup>	65/9.2
Rotor Moment of Inertia g•m <sup>2</sup>	1.9 x 10 <sup>-3</sup>
Detent Torque mN • m/oz-in	8.5/01.2
Step Angle	1.8°
Step Angle Tolerance <sup>†</sup>	±5%
Steps per Rev.	200
Max. Radial Load <sup>††</sup> kg/lb	4/8.8
Max. Axial Load kg/lb	8/17.6
Max. Temp. Rise	55°C
Ambient Temp Range	
Operating	-20°C to +50°C
Storage	-20°C to +60°C
Bearing Type	Bal, Double Shielded
Insulation Res. at 500Vdc	50 megohms
Dielectric Withstanding Voltage	500 Vac for 60 Sec
Weight g/oz	195/7

NOTE: Unless otherwise indicated all values shown are typical. Other windings available on special order. Consult Thomson Airpax for availability of motors with 3.6° step angle. <sup>†</sup> Measured with 2 phases energized. <sup>††</sup> Measured at 10mm from mounting plate surface

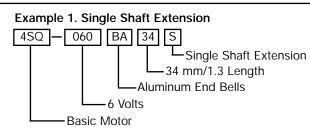


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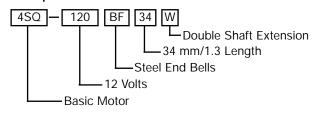


NOTE: Refer to page 7 for unipolar switching sequence

## Catalog P/N Construction



## Example 2. Double Shaft Extension



For information or to place an order in North America: 1 (203) 271-6444 Asia: (65) 7474-888



The specifications in this publication are believed to be accurate and reliable. However, it is the responsibility of the product user to determine the suitability of Thomson products for a specific application. While defective products will be replaced without charge if promptly returned, no liability is assumed beyond such replacement.