

SANMOTION

New Product Information

2-phase Stepping Motor 60mm square 0.9°

SANYO DENKI EUROPE SA. is pleased to introduce their 2-phase, 60mm square 0.9° per step stepping motor «**SANMOTION F2 - SH16**».

This serie of stepping motor has a high resolution, a compact size, and a high torque and can contribute to higher precision, lower costs, and more compact sizes industrial equipments.

Specifications :

Square flange : 60 mm (NEMA 23)

Holding torque : 0.69 to 2.15 Nm

Current per phase : 2 Amps

Connection : Unipolar and Bipolar with lead wire output

3 lengths of motor are available 42, 54 and 76 mm in single or double shaft version to meet the requirements of your application.

Main features :

1) High Torque :

With an optimum magnetic circuit design, the torque was improved from the conventional 0.9° stepping motor. Furthermore, with a **NEMA Size 23 mounting**, the SH16 motors (60mm) can easily replace any size 23 (56mm) motors delivering more torque, and are suitable for more powerful and faster machines.

2) High Resolution and Precision :

The improved die precision and the double number of teeth of the rotor and stator enable a high resolution with 0.9° per step (400 steps per revolution) and a high accuracy of $\pm 0.054^\circ$.

3) Low Vibration and Low Noise :

The high-level concentricity of the rotor and stator enable better rotational balance for lower vibrations and lower noise. Additionally, thanks to smaller step angles, 0.9° stepping motors have much less vibrations than in 1.8° stepping motor.

4) Compact Size for Less Space :

A new "lead wire holder system" enable to eliminate the protrusion of the lead wire outlet without sacrificing motor characteristics.

Furthermore, this serie is RoHS compliant, ensuring a small environmental footprint and has received Sanyo Denki's environmental design certification "**ECO PRODUCTS**".

Target Applications :

Medical instruments, OA automation and semiconductor manufacturing equipments.

For further information on Sanyo Denki «**SANMOTION F2 - SH16**», please contact us at **+33 1 48 63 26 61** or email us at **info@sanyodenki.eu**.

