

Mitsubishi HG-KR23BJ Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	22-Bit Absolute Encoder

Description

The Mitsubishi HG-KR23BJ is a brushless servo motor engineered for precise control and reliability. It features a straight shaft design, operates at 200VAC, and has a rated output of 200W, making it suitable for high-performance applications.

Technical specifications for HG-KR23BJ

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-KR23BJ

Weight 10.00 lbs (4.54 kg)

Encoder Type 22-Bit Absolute Encoder

Protection Class IP65

Shaft Type Straight

Voltage Class 200VAC

Rated Rotational Speed 3000rpm

Rated Output 200W

Electromagnetic Brake Included

Rated Current 1.3A

Rated Torque 0.64Nm Nominal

Maximum Current 4.6A

Product Brushless Servo Motor

Inertia Low Inertia

Description

Mitsubishi's HG-KR23BJ brushless servo motor is designed for efficient and accurate operation in various applications. Operating at 200VAC, this motor features a straight shaft facilitating straightforward installation and system integration. The motor's rated output is 200W, ensuring reliable performance under typical load conditions.

A significant component of this motor is its 22-bit absolute encoder, which delivers precise positional feedback, enhancing control capabilities in dynamic applications. The HG-KR23BJ can achieve a rated rotational speed of 3000 RPM, allowing for quick adjustments and movements. Low inertia design contributes to efficient acceleration and deceleration performance, which is important for applications requiring rapid direction changes.

This motor comes equipped with an electromagnetic brake, improving safety measures during operations and ensuring effective stopping. With a nominal torque of 0.64Nm, it provides sufficient force for various demanding tasks while maintaining a rated current of 1.3A and a maximum current of 4.6A under peak conditions. Its IP65 protection class also safeguards against dust and moisture ingress, making it suited for use in challenging environments. The HG-KR23BJ is built for durability and precision, catering to diverse industrial needs.

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