

Mitsubishi HG-MR23 Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	Servo motor

Description

The series as a whole integrates advanced sensing technology that enables these encoders to capture even the most intricate of movements with utmost precision. Whether it's robotics, manufacturing machinery, or automated assembly lines, the HG-MR23 series plays a vital role in ensuring smooth and reliable operations. As a distinguished component of Mitsubishi's HG / MELSERVO-J4 series, the HG-MR23 exemplifies a high-caliber servo motor characterized by a 0,2 kW rated capacity. Operating at a rated speed of 3000 RPM and surging to a maximum speed of 6000 RPM, this straight-shaft motor integrates both absolute and incremental encoder types. Ensnared within dimensions of 60 x 77.1 x 76.6 mm and weighing a mere 910 grams, the unit is both compact and efficient, further accentuated by its IP65 protection class.

Technical specifications for HG-MR23

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR23

Weight 3.00 lbs (1.36 kg)

Type Servo motor

Series HG / MELSERVO-J4

Rated Capacity 0,2 kW

Rated Torque 0,64 Nm

Maximum Torque 1,9 Nm

Rated Speed 3000 RPM

Maximum Speed 6000 RPM

Inertia 0,0865 kg*cm²

Brake No

Shaft Type Straight shaft

Protection Class IP65

Power Supply 200 Volts AC

Encoder Type Absolute/Incremental

Description

The Mitsubishi HG-MR23 serves as a paragon within the realm of servo motors, stemming from the widely recognized HG / MELSERVO-J4 series. Principally engineered for rigorous precision and reliability, this unit exhibits a rated capacity of 0,2 kW, ensuring a consistent delivery of power for diverse motion control endeavors. It boasts a rated torque of 0,64 Nm and can remarkably thrust up to a maximum torque of 1,9 Nm, rendering it suitable for an array of applications that demand both finesse and force. With an impressive rated speed of 3000 RPM and the potential to escalate to a staggering 6000 RPM, the HG-MR23 is tailored for swift, accurate movements. In terms of its construct, the motor possesses a straight shaft type, which simplifies coupling procedures and ensures balanced motion. It operates seamlessly with a power supply of 200 Volts AC, and its encoder, integrating both absolute and incremental paradigms, guarantees precise positional feedback, thereby augmenting system accuracy. One of its standout features is its protection class, IP65, which offers robust shielding against dust ingress and water jets from any direction, making it apt for environments where such adversities are prevalent. With compact dimensions of 60 x 77.1 x 76.6 mm and a weight of 910 grams, the

HG-MR23 amalgamates efficiency with a space-saving design, making it a formidable choice for industries striving for excellence in motion control solutions.

Technical Specifications

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR23

Weight 3.00 lbs (1.36 kg)

Type Servo motor

Series HG / MELSERVO-J4

Rated Capacity 0,2 kW

Rated Torque 0,64 Nm

Maximum Torque 1,9 Nm

Rated Speed 3000 RPM

Maximum Speed 6000 RPM

Inertia 0,0865 kg*cm²

Brake No

Shaft Type Straight shaft

Protection Class IP65

Power Supply 200 Volts AC

Encoder Type Absolute/Incremental

www.AutoDCSTech.com