LM-KP1F-60M-1011

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	lm-kp1f-60m-1011
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Linear Servo Motor
Primary Side Type	LM-FP5H-60M-1WW0
Secondary Side Type	LM-FS50-□-1WW0
Compatible Drive Unit	MDS-EH-V1-200
Rated Thrust Force	6,000 N
Maximum Speed	2.0 m/s
Magnetic Attraction Force	45,000 N
Degree of Protection	IP00
Primary Side Weight	67 kg
Secondary Side Weight (480mm)	20.0 kg
Secondary Side Weight (576mm)	26.0 kg

Description

The Mitsubishi LM-KP1F-60M-1011 is a high-performance linear servo motor designed for precision motion control applications in industrial automation. This model is part of Mitsubishi's LM-F series, known for their reliability and efficiency.

The LM-KP1F-60M-1011 features a primary side type of LM-FP5H-60M-1WW0 and a secondary side type of LM-FS50-□-1WW0, compatible with the MDS-EH-V1-200 drive unit. It offers a rated thrust force of 6,000 N and a maximum speed of 2.0 m/s, ensuring precise and rapid movements.

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The motor has a magnetic attraction force of 45,000 N and a degree of protection rated at IP00. The primary side (coil) weighs 67 kg, while the secondary side (magnet) weighs 20.0 kg for the 480 mm version and 26.0 kg for the 576 mm version.

This motor is ideal for applications requiring high thrust and speed, such as CNC machines, robotics, and automated assembly lines.

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