376846-LV-SPG-060-MF1-10-10060 S1

Industrial automation components

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Manufacturer	Siemens
Catalog number	376846-lv-spg-060-mf1-10-10060s1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	376846-LV + SPG 060-MF1-10 -10/060S1
Motor Type	1FT6 Series Synchronous Servomotor
Gear Type	SPG 060-MF1 Planetary Gear Unit
Torsional Play	≤ 4 arc minutes
Transmission Ratios	4, 5, 7, 10
Max. Permissible Input Speed	6,000 rpm
Max. Permissible Output Torque	354 lbf-in (approximately 40 Nm) lbf-in (Nm)
Weight	3.3 kg (1.5 kg for the gear unit)

Description

The Siemens 376846-LV + SPG 060-MF1-10 -10/060S1 is a high-performance synchronous servomotor system designed for precise motion control in industrial automation applications. This system comprises a Siemens 1FT6 series servomotor paired with a single-stage SPG 060-MF1 planetary gear unit, offering a robust solution for demanding automation tasks.

The servomotor features self-cooling capabilities, ensuring efficient operation during continuous use. The SPG 060-MF1 planetary gear unit provides a torsional play of ≤ 4 arc minutes, enhancing positional accuracy.

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Available transmission ratios include 4, 5, 7, and 10, allowing for flexible adaptation to various application requirements. The system supports a maximum permissible input speed of 6,000 rpm and delivers a maximum permissible output torque of 354 lbf-in (approximately 40 Nm).

With a weight of approximately 3.3 kg (1.5 kg for the gear unit), this compact system is suitable for integration into space-constrained environments. Its precise motion control capabilities make it ideal for applications requiring high accuracy and reliability.

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