AUTOMATION TRADER

1FT6105-8SH71-1FH0

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1ft6105-8sh71-1fh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6105-8SH71-1FH0
Product Type	Synchronous Servomotor
Rated Torque	65 Nm
Maximum Speed	4500 rpm
Mounting Flange	IM B5
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft Type	Smooth Shaft
Holding Brake	Yes
Ingress Protection	IP64

Description

The Siemens 1FT6105-8SH71-1FH0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for demanding industrial applications requiring precise motion control. This model features a rated torque of 65 Nm and operates at a maximum speed of 4500 rpm, ensuring efficient performance in various automation tasks.

The motor is naturally cooled and constructed with an IM B5 mounting flange, suitable for both vertical and horizontal installations. It is equipped with an absolute encoder (EnDat 2048 S/R) that provides precise position feedback, enhancing control accuracy.

The motor's shaft is smooth, with a circular runout tolerance of N, and it includes a holding brake to secure the shaft when stationary. Designed to operate in environments with vibration severity grade N, it offers reliable performance in industrial settings.

The motor is sealed with a labyrinth seal, providing an ingress protection rating of IP64, which safeguards against dust and water ingress. This servomotor is ideal for applications requiring high torque and speed precision, such as robotics, CNC machinery, and automated production lines.