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1FT6084-8SK71-3EH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8sk71-3eh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Frame Size	08
Length	4
Rated Speed	6000 rpm
Cooling Method	Natural cooling
Mounting Type	IM B5 (IM V1, IM V3)
Encoder Type	Absolute-value encoder (EnDat) 2048 p/r (without DRIVE-CLiQ interface)
Holding Brake	Yes
Protection Rating	IP65
Connector Outlet Direction	Axial NDE
Shaft End	Plain shaft (radial eccentricity tolerance N)

Description

The Siemens 1FT6084-8SK71-3EH1 is a high-performance synchronous AC servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor features a frame size of 08, a length of 4, and operates at a rated speed of 6000 rpm.

It utilizes natural cooling and is constructed with an IM B5 (IM V1, IM V3) mounting type. The motor is equipped with an absolute-value encoder (EnDat) 2048 p/r (without DRIVE-CLiQ interface) for precise position feedback.

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It includes a holding brake and has a vibration severity grade of N with an IP65 protection rating, ensuring durability in demanding environments. The connector outlet direction is axial NDE, and the shaft end is a plain shaft with radial eccentricity tolerance N.

This motor is suitable for applications requiring high-speed and precise motion control, such as robotics, CNC machinery, and automated manufacturing systems.