AUTOMATION TRADER

1FT6084-8AH71-4EG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8ah71-4eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6084-8AH71-4EG1
Product Type	Synchronous Servomotor
Rated Torque	20 Nm
Rated Speed	6000 rpm
Cooling Method	Natural Cooling
Encoder Type	Absolute Encoder
Encoder Resolution	2048 S/R
Mounting Type	IM B5 (IM V1, IM V3)
Protection Class	IP65
Connector Outlet Direction	Axial

Description

The Siemens 1FT6084-8AH71-4EG1 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 20 Nm, a rated speed of 6000 rpm, and operates with natural cooling, ensuring efficient performance without the need for additional cooling systems.

The motor is equipped with an absolute encoder with 2048 S/R (encoder A-2048), providing precise position feedback for accurate motion control. Its construction adheres to the IM B5 (IM V1, IM V3) standard, suitable for various mounting configurations.

The motor's protection class is IP65, offering robust protection against dust and water ingress, making it suitable for harsh industrial environments. The axial outlet direction of the power and signal connectors facilitates flexible installation options.

This servomotor is ideal for applications requiring high-speed operation and precise positioning, such as robotics, CNC machinery, and automated production lines.

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