1FT6084-1AF71-2EH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-1af71-2eh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6084-1AF71-2EH1
Product Type	Synchronous Servomotor
Rated Torque	20 Nm
Rated Speed	3000 rpm
Cooling Method	Natural Air Cooling
Protection Class	IP65
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Connector Outlet Direction	Axial Outlet Direction on Non-Drive End (NDE)
Holding Brake	With Holding Brake

Description

The Siemens 1FT6084-1AF71-2EH1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model features a rated torque of 20 Nm, a rated speed of 3000 rpm, and operates with natural air cooling.

It boasts an IP65 protection class, ensuring robust performance in demanding environments. The motor is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback. The power and signal connectors are configured with an axial outlet direction on the non-drive end (NDE) and include a holding brake for enhanced safety.

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This servomotor is ideal for applications requiring high torque and speed stability, such as robotics, CNC machinery, and automated production lines.

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