1FT7044-1AF70-1FH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7044-1af70-1fh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7044-1AF70-1FH1
Product Type	Synchronous Motor
Rated Torque	5 Nm
Rated Speed	3,000 rpm
Moc znamionowa	1.35 kW
Cooling Type	Natural Cooling
Power Connector	Rotatable
Vibration Severity	Grade A
Stopień ochrony	IP65
Encoder Type	Absolute Encoder with 22 bits multi-turn and Drive-CLiQ interface (Encoder AM-22-DQ)
Shaft Type	Plain Shaft with Holding Brake

Description

The Siemens 1FT7044-1AF70-1FH1 is a high-performance synchronous motor from the SIMOTICS S 1FT7 series, designed for precision applications requiring reliable and efficient operation. This model features a rated torque of 5 Nm at 100 K, a rated speed of 3,000 rpm, and a rated power of 1.35 kW, all achieved through natural cooling.

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The motor is equipped with a rotatable power connector, vibration severity grade A, and an IP65 degree of protection, ensuring durability and adaptability in various industrial environments. It utilizes an absolute encoder with 22 bits multi-turn and a Drive-CLiQ interface (Encoder AM-22-DQ) for precise position feedback.

The motor's design includes a plain shaft with a holding brake, offering enhanced control and safety in dynamic applications. With a net weight of 7.2 kg, the 1FT7044-1AF70-1FH1 is suitable for integration into compact systems where space and performance are critical.

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