AUTOMATION TRADER

1FK7060-5AF71-1DB2-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-5af71-1db2-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Speed (RPM)	3000
Rated Speed	3000 rpm
Rated Torque	4.7 Nm
Encoder Type	Incremental encoder, sin/cos 1 Vpp
Encoder Resolution	2048 pulses per revolution
Shaft Height	63 mm
Waga netto	24.1 kg
Degree of Protection	IP65

Description

The Siemens 1FK7060-5AF71-1DB2-Z is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. Operating at a rated speed of 3,000 rpm, it delivers a rated torque of 4.7 Nm, making it suitable for tasks requiring consistent and reliable performance.

The motor's natural cooling system ensures efficient heat dissipation during operation. It features an incremental encoder with a sin/cos 1 Vpp signal and a resolution of 2,048 pulses per revolution, providing accurate position feedback.

The motor is constructed with a shaft height of 63 mm and has a net weight of 24.1 kg, indicating a robust build quality. Its degree of protection is IP65, ensuring resistance against dust and water ingress, which is essential for industrial environments.

The motor is designed for easy integration with various drive systems, offering versatility in different automation setups.

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