1FK7061-4CH71-1RG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7061-4ch71-1rg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7061-4CH71-1RG0
Product Type	Synchronous Motor
Moc znamionowa	2.0 kW
Rated Speed	4500 rpm
Rated Torque	4.3 Nm
Cooling Type	Natural Cooling
Construction Standard	IM B5 (IM V1, IM V3)
Holding Brake	Permanent-Magnet Brake
Holding Torque	13.0 Nm
Brake Supply Voltage	24 V DC
Temperature Sensor	Pt1000

Description

The Siemens 1FK7061-4CH71-1RG0 is a high-performance synchronous motor from the SIMOTICS S-1FK7 series, designed for demanding industrial applications requiring precision and reliability. This motor features a rated power of 2.0 kW and operates at a rated speed of 4,500 rpm, delivering a rated torque of 4.3 Nm.

It is engineered for natural cooling and is constructed according to the IM B5 (IM V1, IM V3) standard, ensuring robust performance in various environments. The motor is equipped with a

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permanent-magnet brake, providing a holding torque of 13.0 Nm, and utilizes a 24 V DC power supply for the brake system.

Additionally, it includes a Pt1000 temperature sensor for thermal monitoring, enhancing operational safety. The motor's degree of protection is IP64, offering resistance against dust and water ingress.

With a net weight of approximately 9.8 kg, the 1FK7061-4CH71-1RG0 is suitable for integration into complex automation systems where space and weight considerations are critical.