1FK7044-4CH71-1UG2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7044-4ch71-1ug2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Moc znamionowa	1.4 kW
Rated Speed	4,500 rpm
Encoder System	Resolver R15DQ 15-bit resolution
Interface	DRIVE-CLIQ interface
Shaft Type	Plain shaft with tolerance N
Cooling Type	Natural cooling
Degree of Protection	IP65 (IP67 for drive end flange) IP rating

Description

The Siemens 1FK7044-4CH71-1UG2 is a high-performance synchronous motor from the SIMOTICS S series, designed for demanding industrial applications requiring precise motion control. This motor delivers a rated power of 1.4 kW and operates at a rated speed of 4,500 rpm, making it suitable for applications that demand high dynamic performance.

It features a resolver encoder system with a 15-bit resolution (R15DQ), ensuring accurate position feedback. The motor is equipped with a DRIVE-CLIQ interface, facilitating seamless integration with Siemens' SINAMICS S120 drive systems.

Its robust construction includes a plain shaft with a tolerance of N and is naturally cooled, eliminating the need for additional cooling systems. The motor's degree of protection is IP65, with the drive end flange rated at IP67, providing resistance against dust and water ingress.

This makes the 1FK7044-4CH71-1UG2 ideal for use in environments where reliability and precision are paramount.

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