1FK7101-2AC71-1RH1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7101-2ac71-1rh1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7101-2AC71-1RH1-Z
Product Type	Synchronous Motor
Rated Power	4.3 kW
Rated Speed	2000 rpm
Rated Torque	20.5 Nm
Stall Torque	27.0 Nm
Cooling Type	Naturally Cooled
IP Rating	IP65
Encoder Resolution	20-bit single-turn, 12-bit multi-turn
Drive Interface	Drive-CLiQ
Shaft Type	Smooth Shaft, Tolerance N

Description

The Siemens 1FK7101-2AC71-1RH1-Z is a high-performance synchronous motor from the SIMOTICS S series, designed for demanding industrial applications requiring precise motion control. This motor offers a rated power of 4.3 kW and operates at a rated speed of 2,000 rpm, making it suitable for applications that demand consistent and reliable performance.

It features a rated torque of 20.5 Nm and a stall torque of 27.0 Nm, ensuring robust operation under varying load conditions. The motor is naturally cooled with an IP65 degree of protection, providing

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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durability and reliability in harsh environments.

It includes an absolute encoder with a 20-bit single-turn and 12-bit multi-turn resolution, equipped with a Drive-CLiQ interface for seamless integration with Siemens drive systems. The motor's design includes a smooth shaft with tolerance N and a holding brake, enhancing its versatility and safety in various industrial settings.