1FK7103-2AF71-1RG0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7103-2af71-1rg0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7103-2AF71-1RG0-Z
Product Type	Synchronous Motor
Moc znamionowa	2.3 kW
Rated Speed	3000 rpm
Rated Torque	14.0 Nm
Encoder Resolution	20-bit single-turn, 12-bit multi-turn
Napięcie zasilania	600 V DC
Cooling Type	Natural Cooling
Stopień ochrony	IP64

Description

The Siemens 1FK7103-2AF71-1RG0-Z is a high-performance synchronous motor from the SIMOTICS S series, designed for demanding industrial applications requiring precise control and reliability. This motor features a rated power of 2.3 kW, operating at a rated speed of 3000 rpm, and delivers a rated torque of 14.0 Nm.

It is equipped with an absolute encoder with a 20-bit single-turn and 12-bit multi-turn resolution, providing precise position feedback. The motor operates at a rated voltage of 600 V DC and is naturally cooled, ensuring efficient thermal management.

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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With a robust design, it offers a degree of protection IP64, making it suitable for various industrial environments. The 1FK7103-2AF71-1RG0-Z is ideal for applications requiring high torque and speed stability, such as in automation systems, robotics, and precision machinery.

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