1FG1501-9UC46-2HU1-Z

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1fg1501-9uc46-2hu1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Maximum Torque	6.5 Nm
Rated Power	0.485 kW
Encoder Resolution	20-bit single-turn, 12-bit multiturn
Gear Ratio	25.56
Maximum Input Speed	4,500 rpm
Output Speed	176 rpm
Mounting Position	M2-A
Sealing Oil	CLP PG VG220

Description

The Siemens 1FG1501-9UC46-2HU1-Z is a high-performance synchronous servo geared motor from the SIMOTICS S-1FG1 series, designed for precise motion control applications. This model features a bevel gearbox (type B29) and a compact motor type CT, operating at a voltage of 600V and a current of AH36.

It delivers a maximum torque (Mmax) of 6.5 Nm and a rated power (Pn) of 0.485 kW, ensuring efficient and reliable performance. The motor is equipped with an absolute encoder with a 20-bit single-turn resolution and a multiturn resolution of 12 bits, utilizing the DRIVE-CLiQ interface for seamless integration.

With a gear ratio of 25.56, it achieves a maximum input speed (N1max) of 4,500 rpm, translating to an output speed (N2max) of 176 rpm and a maximum output torque (M2max) of 114 Nm. The mounting position is M2-A, and it utilizes long-life sealing oil CLP PG VG220, enhancing durability and reducing maintenance needs.

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

Generated on demand. The PDF file is not stored on the server.

This motor is ideal for applications requiring precise speed and torque control, such as robotics, conveyor systems, and automated machinery.

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

Generated on demand. The PDF file is not stored on the server.