1FK7044-4CF74-1TG0-PG-HPG-20A-11-BL3-J6-E198-SP

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7044-4cf74-1tg0-pg-hpg-20a-11-bl3-j6-e198-sp
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7044-4CF74-1TG0 + PG HPG-20A-11-BL3-J6-E19.8-SP
Motor Type	Synchronous servomotor
Rated Power	1.2 kW
DC Link Voltage	600 V
Continuous Torque	4.5 Nm
Rated Speed	3,000 rpm
Cooling Type	Naturally cooled
Frame Size	IMB 5 (IM V1, IM V3)
Flange	1
Temperature Sensor	Pt1000
Encoder Type	Rotatable incremental encoder (sin/cos 1 Vpp; 2048 S/R with C and D track)

Description

The Siemens 1FK7044-4CF74-1TG0 + PG HPG-20A-11-BL3-J6-E19.8-SP is a high-performance synchronous servomotor designed for precision motion control applications. Manufactured by Siemens, this motor features a rated power of 1.2 kW and operates at a DC link voltage of 600 V.

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It delivers a continuous torque of 4.5 Nm and achieves a rated speed of 3,000 rpm, ensuring reliable and efficient performance in demanding industrial environments. The motor is naturally cooled and constructed with a frame size IMB 5 (IM V1, IM V3), flange 1, and includes a Pt1000 temperature sensor for enhanced monitoring.

It is equipped with a rotatable incremental encoder (sin/cos 1 Vpp; 2048 S/R with C and D track) for precise position feedback. The shaft is plain with a tolerance N and does not include a holding brake.

With a degree of protection IP64, this motor is suitable for various industrial applications requiring high precision and durability.