1FK7083-5AH71-1EH3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7083-5ah71-1eh3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Permanent-magnet synchronous motor
Motor Series	SIMOTICS S-1FK7
Rated Speed	4,500 rpm
Rated Torque	16 Nm
Rated Power	3.04 kW
Cooling Type	Natural air cooling
Enclosure Rating	IP64
Encoder System	Absolute encoder EnDat 2048
Holding Brake	With holding brake
Shaft Height	80 mm

Description

The Siemens 1FK7083-5AH71-1EH3 is a compact synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precise motion control in industrial automation applications. This three-phase servomotor operates at a rated speed of 4,500 rpm, delivering a rated torque of 16 Nm and a rated power of 3.04 kW.

It features natural air cooling and is housed in an IP64-rated enclosure, ensuring durability in various industrial environments. The motor is equipped with an absolute encoder system (EnDat 2048) for precise position feedback and includes a holding brake for enhanced safety during operation.

AUTOMATION TRADER

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 shaft height of 80 mm and a smooth shaft design, it is suitable for integration into diverse machinery requiring reliable and efficient motion control.

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