1FT7108-5AB71-1NH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7108-5ab71-1nh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7108-5AB71-1NH1
Product Type	Synchronous Motor
Rated Torque	70 Nm
Rated Speed	1500 rpm
Continuous Power Output	9.58 kW
Cooling Type	Natural Cooling
Frame Size	IMB 5
Flange Compatibility	1FT6/1FK7
Encoder Resolution	2048 S/R
Holding Brake Torque	85 Nm
Degree of Protection	IP 65

Description

The Siemens 1FT7108-5AB71-1NH1 is a SIMOTICS S synchronous motor from the 1FT7 series, designed for high-performance applications requiring precise control and reliability. This motor features a rated torque of 70 Nm at 100% rated speed (1500 rpm), delivering a continuous power output of 9.58 kW.

It operates with natural cooling and is housed in frame size IMB 5, compatible with conventional flanges (1FT6/1FK7). The motor is equipped with a rotatable power connector and an incremental encoder with a 2048 S/R resolution, ensuring accurate position feedback.

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Additionally, it includes a holding brake with a torque of 85 Nm, providing secure operation in stationary positions. The motor's degree of protection is IP 65, offering robust resistance against dust and water ingress.

These specifications make the 1FT7108-5AB71-1NH1 suitable for demanding industrial applications requiring high torque and precise control.

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