1FT5102-1AA71-1EB0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5102-1aa71-1eb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Frame Size	100 mm
Length	2
Rated Speed	1200 rpm
DC Link Voltage	600 V
Construction Type	IM B5 (IM V1, IM V3)
Cooling Type	Naturally cooled
Shaft Type	Shaft with key and keyway
Prepared for Encoder Mounting	Yes

Description

The Siemens 1FT5102-1AA71-1EB0 is an AC servomotor from Siemens's 1FT5 series, designed for precise motion control in industrial automation applications. This motor features a frame size of 100 mm and a length of 2, indicating its compact design suitable for space-constrained environments.

It operates at a rated speed of 1200 RPM, providing reliable performance for various automation tasks. The motor is rated for a DC link voltage of 600 V, ensuring compatibility with standard industrial power systems.

Its construction type is IM B5 (IM V1, IM V3), suitable for mounting in various orientations. The motor is naturally cooled, eliminating the need for external cooling systems and simplifying installation.

It includes a shaft with key and keyway, facilitating secure coupling with other mechanical components. Additionally, the motor is prepared for mounting an encoder, enabling precise position

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feedback for closed-loop control systems.

This motor is ideal for applications requiring reliable and efficient motion control, such as robotics, conveyor systems, and automated machinery.

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