AUTOMATION TRADER

1FT5102-0AF71-2-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5102-0af71-2-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	3000 RPM
Rated Torque	25.0 Nm
Standstill Torque at 60 K	27.0 Nm
Standstill Torque at 100 K	33.0 Nm
Rated Current	25.0 A
Moment of Inertia with Brake	151 10^{-4} kg·m²
Moment of Inertia without Brake	136 10^{-4} kg·m²
Protection Rating	IP64
Dimensions	200 x 280 x 440 mm
Weight	99.00 lbs

Description

The Siemens 1FT5102-0AF71-2-Z is a high-performance AC servo motor designed for precise motion control in industrial automation applications. Operating at a rated speed of 3000 RPM, it delivers a rated torque of 25.0 Nm at 100 K, ensuring reliable and efficient performance.

The motor features a standstill torque of 27.0 Nm at 60 K and 33.0 Nm at 100 K, providing robust holding capabilities. With a rated current of 25.0 A, it offers consistent power delivery. The motor's moment of inertia is 151 × 10^{-4} kg·m² with a brake and 136 × 10^{-4} kg·m² without, facilitating smooth acceleration and deceleration.

Encased in a housing with an IP64 protection rating, it is suitable for demanding environments. The motor's dimensions are 200 mm in width, 280 mm in height, and 440 mm in depth, with a weight of 99.00 lbs.

Designed for integration with Siemens drive systems, it ensures seamless compatibility and optimal performance.

AUTOMATION TRADER

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