1FN3100-3KC5X-XXXX

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fn3100-3kc5x-xxxx
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Force	725 N
Maximum Force	2030 N
Rated Current	8.85 A
Maximum Velocity at Rated Force	399 m/min
Thermal Time Constant	1920 s
Pole Width	15 mm
Primary Section Mass	6.25 kg

Description

The Siemens 1FN3100-3KC5X-XXXX is a naturally cooled linear motor from the SIMOTICS L series, designed for high-performance applications requiring precise linear motion. This motor offers a rated force of 725 N and a maximum force of 2030 N, ensuring robust performance in demanding environments.

It operates efficiently with a rated current of 8.85 A and can achieve maximum velocities up to 399 m/min at rated force, making it suitable for applications where rapid and precise linear movement is essential.

The motor's design includes a thermal time constant of 1920 s, allowing it to maintain performance under varying thermal conditions. With a pole width of 15 mm and a primary section mass of 6.25 kg, it is engineered for durability and reliability.

The 1FN3100-3KC5X-XXXX is ideal for integration into automation systems requiring high-speed, high-precision linear motion, such as in material handling, packaging, and assembly processes.

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