R7M-A20030-S1-D

Industrial automation components

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Manufacturer	Omron
Catalog number	r7m-a20030-s1-d
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Voltage	230 VAC
Continuous Output Power	200 W
Maximum Speed	3000 RPM
Encoder Type	Incremental
Dimensions	60.00mm x 60.00mm
Shaft Diameter	14.00mm

Description

The Omron R7M-A20030-S1-D is a high-performance AC servomotor designed for precise motion control in industrial automation applications. Part of Omron's SMARTSTEP A-series, this motor offers a cost-effective solution that combines the simplicity of stepper motors with the advanced capabilities of servo systems. Operating at a rated voltage of 230 VAC, it delivers a continuous output power of 200W and achieves a maximum speed of 3000 RPM, ensuring efficient and reliable performance in demanding environments. The motor features an incremental encoder with 2000 pulses per revolution, providing accurate positional feedback essential for precise control. Its compact design, with dimensions of 60.00mm x 60.00mm and a shaft diameter of 14.00mm, allows for easy integration into various machinery setups. The R7M-A20030-S1-D is suitable for applications requiring high torque and speed, such as robotics, CNC machinery, and automated assembly lines, where precision and reliability are paramount.

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