SGDV-01A11A-OY

Industrial automation components

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Manufacturer	Omron
Catalog number	sgdv-01a11a-oy
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Power Supply	Single-phase 230 VAC
Rated Capacity	100 W
Compatible Motors	SGMAH-01A@, SGMPH-01A@, SGMJV-01A@, SGMAV-01A@, SGMEV-01A@
Product Type	Sigma-5 Series Servo Drive
Input Voltage	230 VAC
Compatible Motor Series	SGMAH-01A@, SGMPH-01A@, SGMJV-01A@, SGMAV-01A@, SGMEV-01A@
Control Method	IGBT PWM with sinusoidal current drive
Feedback Type	13-bit serial encoder
Ambient Temperature Range	0 to 55 °C

Description

The Omron SGDV-01A11A-OY is a Sigma-5 series servo drive designed for precise motion control in industrial automation applications. This model is compatible with various Omron Sigma-5 rotary servo motors, including SGMAH-01A@, SGMPH-01A@, SGMJV-01A@, SGMAV-01A@, and SGMEV-01A@, providing flexibility in motor selection. The servo drive operates on a single-phase 230 VAC power supply and offers a rated capacity of 100 W, making it suitable for applications requiring moderate power output. Key features include high-speed response, advanced control algorithms, and seamless integration with Omron's motion control systems. These attributes ensure reliable and efficient performance in demanding industrial environments.

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