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SGDH-01AE-0Y

Industrial automation components

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Manufacturer	Omron
Catalog number	sgdh-01ae-0y
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Omron
Part Number	SGDH-01AE-0Y
Compatible Servo Motor	SGMAH-01A
Maximum Applicable Motor Capacity	100 W
Continuous Output Current	0.91 Arms
Maximum Output Current	2.8 Arms
Input Voltage	200 to 230 VAC
Control Circuit Supply	200 to 230 VAC
Control Method	Single-phase full-wave rectification / IGBT / PWM / sine-wave current drive
Feedback Type	Serial encoder (incremental/absolute value)
Operating Temperature Range	0 to +55 °C
Operating Humidity	90% RH or less (non-condensing) % RH

Description

The Omron SGDH-01AE-0Y is a high-performance servo drive designed for precise motion control in industrial automation applications. As part of Omron's Sigma-II series, this model is engineered to deliver reliable and efficient operation, making it suitable for a wide range of automation tasks. Key features include compatibility with SGMAH-01A servo motors, a maximum applicable motor capacity

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of 100 W, continuous output current of 0.91 Arms, and a maximum output current of 2.8 Arms. The SGDH-01AE-0Y operates on a single-phase 200 to 230 VAC input, with a control circuit supply of 200 to 230 VAC. It utilizes a single-phase full-wave rectification method with IGBT and PWM for sine-wave current drive, and supports serial encoder feedback (incremental/absolute value). Designed for durability, it operates within a temperature range of 0 to +55°C and a humidity of 90% RH or less (non-condensing). The servo drive's compact design ensures easy integration into various automation systems, providing precise control and enhanced performance.