MR3-V34-100502

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mr3-v34-100502
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Servo Amplifier
Encoder Compatibility	22-bit absolute encoder
Communication Interface	SSCNETIII/H optical network
Protective Functions	Overcurrent, overvoltage, undervoltage, overheat, encoder error
Ambient Temperature Range	0°C to +55°C

Description

The Mitsubishi MR3-V34-100502 is a high-performance servo amplifier designed for precision motion control in industrial automation applications. As part of Mitsubishi's MELSERVO MR3 series, this unit offers advanced features to enhance system performance and reliability.

Key characteristics include support for 22-bit absolute encoders, ensuring high-resolution feedback for precise positioning. The MR3-V34-100502 utilizes the SSCNETIII/H high-speed optical network for communication, providing fast and reliable data transmission between components.

Protective functions such as overcurrent, overvoltage, undervoltage, overheat, and encoder error safeguards are integrated to protect the system from potential faults. The amplifier operates within an ambient temperature range of 0°C to +55°C, suitable for various industrial environments.

Its compact design and robust construction make it ideal for applications requiring precise motion control, such as CNC machining centers, robotic assembly cells, and semiconductor handling equipment.

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