

Schneider Series Service Manual

140MMS53502

1. Description

The 140MMS53502 from Schneider Electric is a motion control module within the Modicon Quantum series, designed for advanced automation tasks. It operates using a 133 MHz processor and supports SERCOS as the control output, making it compatible with Lexium systems.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Motion control module
Product	Line Modicon Quantum
Part	Number 140MMS53502
Processor	133 MHz
Control	Output SERCOS
Compatibility	Lexium
Number	of Axes 8 real axes, 4 imaginary axes, 4 remote axes, 4 coordinate sets
Functions	Count probe, length measurement, point synchronization
Mounting	Vertical
Housing	Plastic
Display	Yes
Operating	Temperature 0 to 40 degrees Celsius
Storage	Temperature 0 to 50 degrees Celsius
Maximum	Operating Humidity 80% RH, non-condensing
Maximum	Storage Humidity 80% RH, non-condensing

3. Product Information

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Technical specifications for 140MMS53502

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Housing Plastic

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Maximum Operating Humidity 80% RH, non-condensing

Maximum Storage Humidity 80% RH, non-condensing

Description

The Schneider Electric 140MMS53502 is a motion control module tailored for sophisticated motion tasks. Operating with a 133 MHz processor, this module facilitates precise control in various automation applications. It is particularly designed to work with SERCOS output, enabling seamless integration with Lexium devices for enhanced compatibility.

This module is capable of managing 8 real axes and includes 4 imaginary and 4 remote axes, along with 4 coordinate sets. It supports functions such as counting probes, measuring lengths, and synchronizing points, essential for advanced motion control methodologies. The vertical mounting design allows it to fit efficiently within various system configurations, while its plastic housing provides necessary durability.

Accommodating a working temperature range of 0 to 40 degrees Celsius, this motion control module is suitable for various industrial environments. It can be conveniently stored at temperatures up to 50 degrees Celsius. Additionally, it maintains performance in high humidity situations, tolerating levels up to 80% RH while avoiding condensation. The inclusion of a display enhances user interaction, providing important operational feedback directly on the unit.