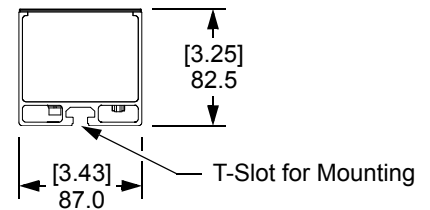
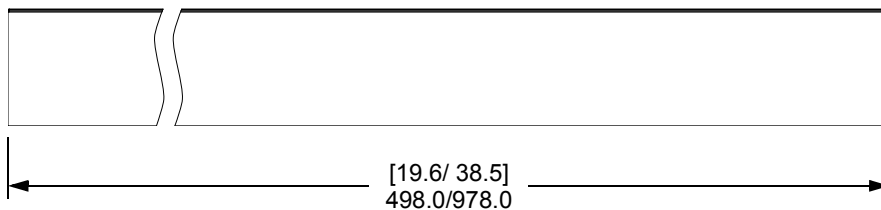
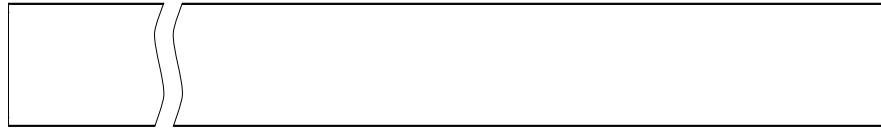
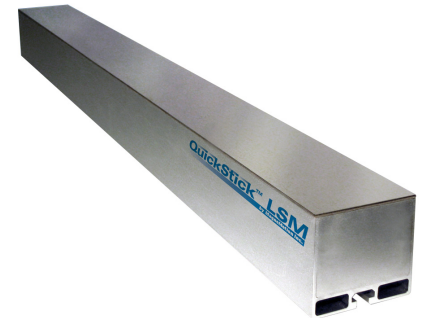


# QuickStick 100 Motor

Catalog Numbers: MMI-700-1433-02, MMI-700-1433-03



- QuickStick<sup>®</sup> systems consist of modules that include motors, magnet arrays, controllers, and power supplies.
- QS 100 motors contain integral motor controllers and position sensing.
- Magnet arrays used on the vehicles available in lengths from 150 mm L (3 cycle) to 966 mm L (20 cycles).
- Up to five (5) vehicles in motion or in queue per meter (150 mm minimum vehicle length).
- T-Slot accommodates Bosch 10 mm T-Slot hardware (e.g., M8 x 1.25, 10 mm T-Block & Spring) for motor mounting.
- Designed for IP54 (IEC 60529).
- CE Mark
- UL Registered

## Physical Specifications

<b>Dimensions*</b>	½ meter:	87.0 W x 82.5 H x 498.0 L [3.43 W x 3.25 H x 19.6 L]
	1 meter:	87.0 W x 82.5 H x 978.0 L [3.43 W x 3.25 H x 38.5 L]
<b>Weight:</b>	½ meter:	6.6 kg [14.6 lb]
	1 meter:	13.2 kg [29.1 lb]

\* All dimensions are millimeters [inches].

## Electrical Specifications

<b>Power Rating:</b>	½ meter:	48V DC ±10% 1 A typical, 2.5 A max
	1 meter:	48V DC ±10% 2 A typical, 5.0 A max.
<b>Power Use:</b>	Power drawn by the motor varies based on the vehicles being used and the maximum acceleration or velocity of the vehicles.	

† Performance varies based on payload, acceleration, velocity, and vehicle density.

‡ Repeatability is dependent on the size of the gap between the motor and the vehicle-mounted magnet array and varies based on track and vehicle design/structure. Repeatability is not applicable over the gaps between motors.

## Environmental Specifications

<b>Ambient Temperature:</b>	0° C to 50° C [32° F to 122° F]
<b>Relative Humidity:</b>	85% maximum (relative, non-condensing)
<b>Power Dissipation:</b>	5 W, 10 W max

## Performance Specifications<sup>†</sup>

<b>Acceleration, Max:</b>	9.8 m/s <sup>2</sup> [1.0 g] payload dependent
<b>Velocity, Max:</b>	2.5 m/s [5.6 mph]
<b>Servo Repeatability<sup>‡</sup>:</b>	± 0.50 mm at specified gap and friction ± 0.10 mm attainable with calibration
<b>Maximum Payload:</b>	100 kg per vehicle (determined by magnet array length and support structure)

## Rockwell Automation Support

Use the following resources to access support information.

<b>Technical Support Center</b>	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	<a href="https://rockwellautomation.custhelp.com/">https://rockwellautomation.custhelp.com/</a>
<b>Local Technical Support Phone Numbers</b>	Locate the phone number for your country.	<a href="http://www.rockwellautomation.com/global/support/get-support-now.page">http://www.rockwellautomation.com/global/support/get-support-now.page</a>
<b>Direct Dial Codes</b>	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	<a href="http://www.rockwellautomation.com/global/support/direct-dial.page">http://www.rockwellautomation.com/global/support/direct-dial.page</a>
<b>Literature Library</b>	Installation Instructions, Manuals, Brochures, and Technical Data.	<a href="http://www.rockwellautomation.com/global/literature-library/overview.page">http://www.rockwellautomation.com/global/literature-library/overview.page</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Get help determining how products interact, check features and capabilities, and find associated firmware.	<a href="http://www.rockwellautomation.com/global/support/pcdc.page">http://www.rockwellautomation.com/global/support/pcdc.page</a>

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