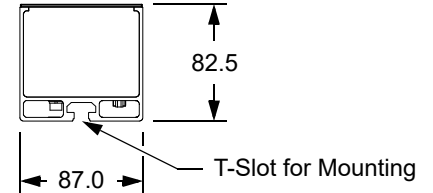
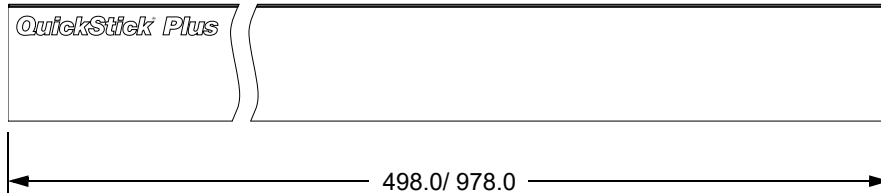


QuickStick Plus Motor

Catalog Numbers 700-1433-04, 700-1433-05



- QuickStick[®] systems consist of modules that include motors, magnet arrays, controllers, and power supplies.
- QS Plus motors contain integral motor controllers and position sensing.
- QuickStick Plus motors enable use of full thrust to higher velocities than standard QuickStick motors.
- Magnet arrays that are used on the vehicles are available in lengths from 150 mm (3 cycle) to 966 mm (20 cycles).
- Up to five vehicles in motion or in queue per meter (using 150 mm minimum length vehicles).
- T-Slot accommodates Bosch 10 mm T-Slot hardware (M8 x 1.25, 10 mm T-Block and Spring) for motor mounting.
- Designed for IP54 (IEC 60529).
- CE Mark, KCC Mark

Physical Specifications

Dimensions* :	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]
Weight:	½ meter:	6.6 kg [14.6 lb]
	1 meter:	13.2 kg [29.1 lb]

* All dimensions are millimeters [inches].

Electrical Specifications

Propulsion Power:	½ meter:	60V DC ±10%, 1 A typical, 2.5 A max
	1 meter:	60V DC ±10%, 2 A typical, 5.0 A max
Logic Power:		48V DC ±10%, 0.1 A typical, 0.25 A max
Power Use:		Power drawn by the motor varies based on the vehicles being used and the maximum acceleration or velocity of the vehicles.

Power Dissipation: Logic supply: 5 W, 10 W max

† Operating performance varies based on payloads, acceleration and velocity settings, and vehicle density.

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

Environmental Specifications

Ambient Temperature: 0° C to 50° C [32° F to 122° F]

Relative Humidity: 85% maximum (relative, noncondensing)

Performance Specifications†

Acceleration, Max: 13.0 m/s² [1.3 g] payload dependent

Velocity, Max: 3.0+ m/s [6.7+ mph]

Servo Repeatability‡: ± 0.50 mm at specified gap and friction
± 0.10 mm attainable with calibration

Maximum Payload: 140+ kg per vehicle (determined by magnet array length and support structure)

Rockwell Automation Support

Use the following resources to access support information.

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

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