EM-05-5X Electro-Mechanical Slide Bolt

Push-to-close · Compact size

- **Push to close/electrical release**
- **Small, economical, low power slide bolt fits tight spaces**
- **Auto-Relock or lock-unlock (2 position)**
- **Available with 3 Pin Connector or Stripped and Tinned**

Material & Finish

Enclosure: Nylon, black
Latch Bolt: Acetal, black
Housing Assembly Screws: Steel, zinc plated

Electrical Specifications

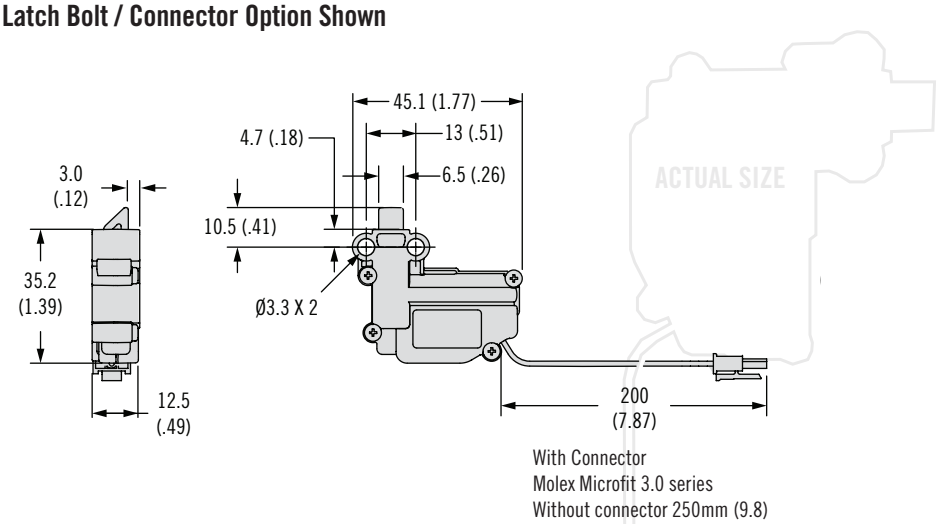
Supply Voltage: 5V ±10%

Operating Current: < 300mA

Operating Temperature: 0°C to 60°C

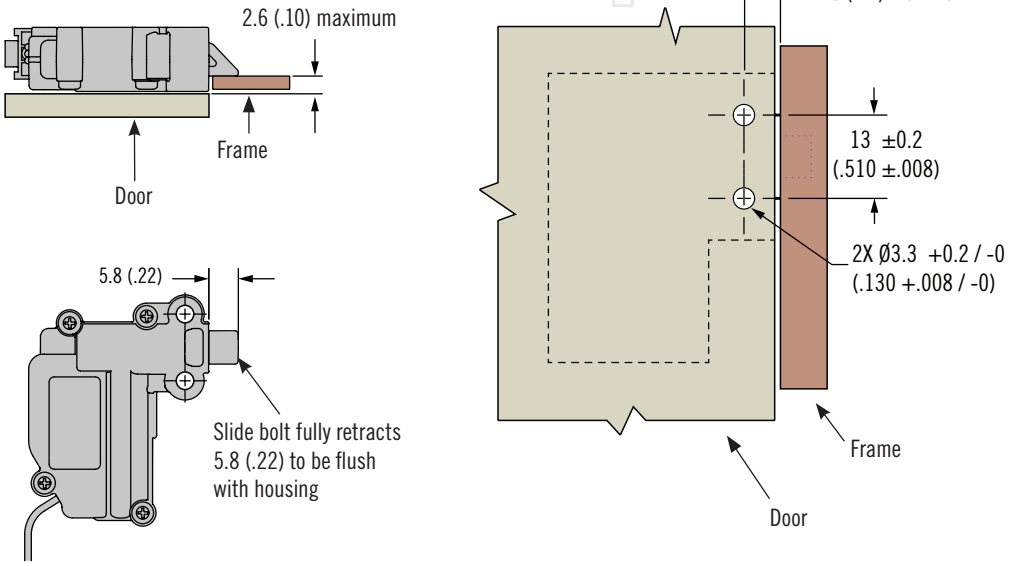
Operating Humidty: 85% max
No condensation

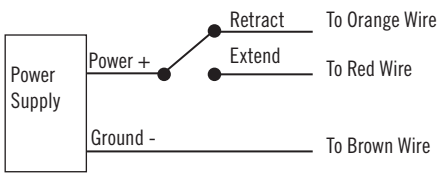
Latch Bolt / Connector Option Shown

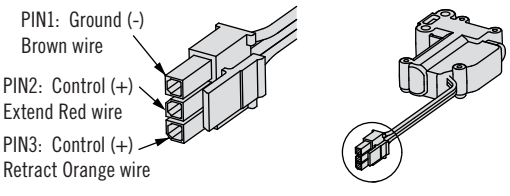


Part Numbers	Connector Type
EM-05-53-2001	with Molex brand Microfit 3.0 connector
EM-05-53-2002	without connector (stripped and tinned)

Installation

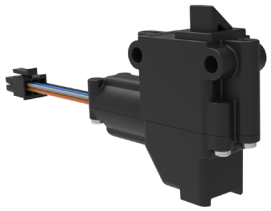






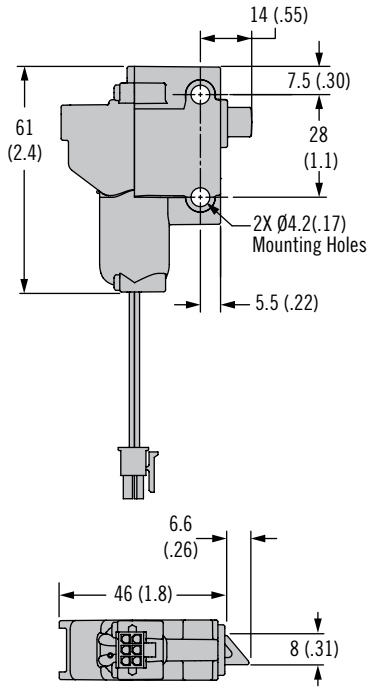
EM-05-4X Electro-Mechanical Slide Bolt

Push-to-close · Integrated Sensing

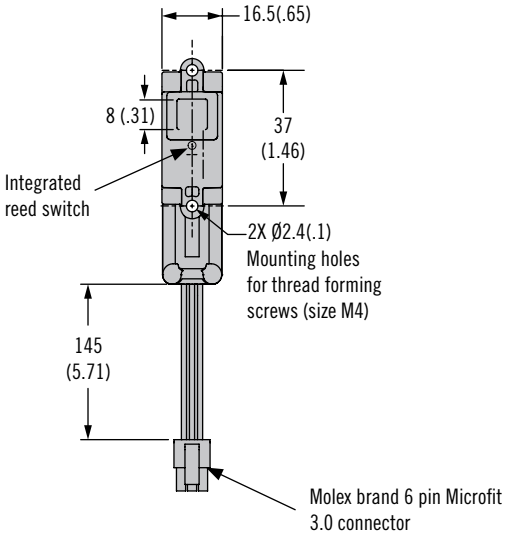


- **Push to close/electrical release**
- **Integrated Sensors to monitor door and latch status**
- **Auto-Relock or lock-unlock (2 position)**

Perpendicular Mounting Holes

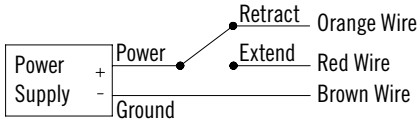


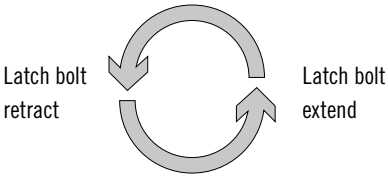
In-Line Mounting Holes



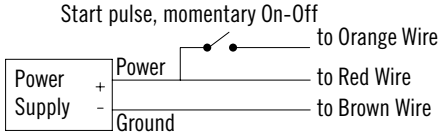
Part Number
EM-05-42-2401

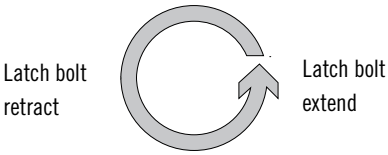
Two Position (Lock-Unlock) Mode



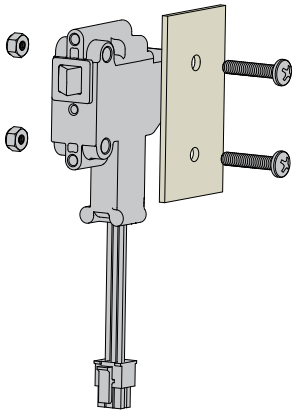


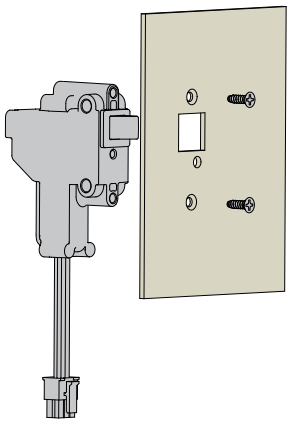
Start Pulse (Auto-Relock) Mode





Mounting Options





Material & Finish

Enclosure: Nylon, black
Latch Bolt: Acetal, black
Housing Assembly Screws: Steel, zinc plated

Electronic Specifications

Supply Voltage: 5VDC +/- 10%

Operating Current: < 300 mA

Operating Temperature:
0°C - 60°C

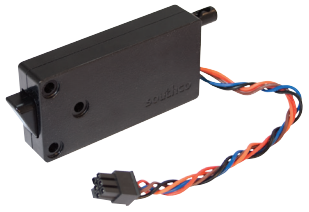
Operating Humidity: 85% max
No condensation

Notes

Visit Southco.com to download further installation and operation details.

Add -1 to the end of the part number for bulk packaging.

Dimensions in millimeters (inch) unless otherwise stated



EM-05 Miniature Electronic Slide Bolt

Push-to-close · Compact size · Mechanical override

12V

24V

- **Simple transition from mechanical to electronic access**
- **Microprocessor controlled gear motor**
- **Minimal power draw**
- **Optional internal microswitch for latch open/close output signal**
- **Accepts signals from any electronic actuation source**
- **Single or multi-point latching**

Material & Finish

Enclosure & Latch Bolt:
Thermoplastic
Housing Assembly Screws:
Steel, zinc plated

Electrical Specifications

Recommended Operating Voltage:
12-24 VDC

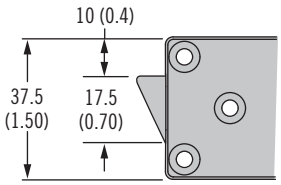
Typical Operating Current:
Less than 600mA at 12 VDC

Control Input

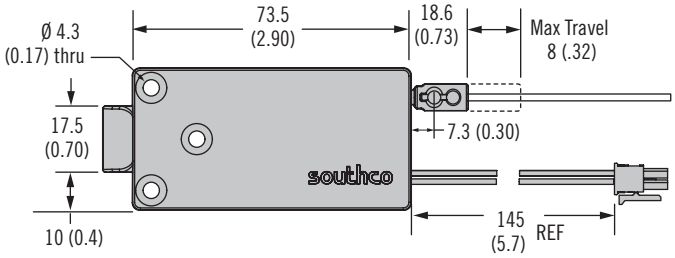
Retracted Position: 12-24 VDC
The latch bolt will remain retracted for as long as the signal is present or a minimum of 1 second.
Input Signal Current: 25mA Max at 24 VDC

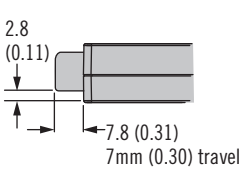
Extended Position: 0 VDC

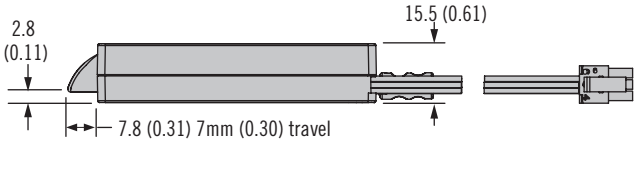
Side Mount

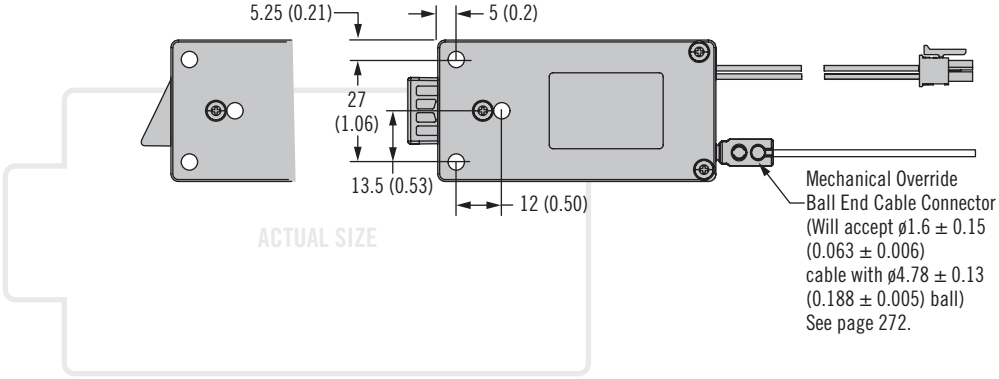


Front Mount



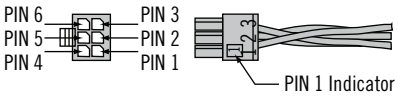






Latch Wiring Connection

Molex Microfit 3.0 series



Wire Color Code / Connector Pin Assignment:

PIN 1: Brown: Ground (-)
PIN 2: Red: Power 8 to 26 VDC
PIN 3: Orange: Control Signal 8 to 26 VDC
PIN 4: Black: Microswitch Common
PIN 5: Blue: Microswitch N.O. Contact
PIN 6: None

Miniature Electronic Keeper Part Numbers				
Type	With Mechanical Override		Without Mechanical Override	
	With Switch	Without Switch	With Switch	Without Switch
Front Mount Latch Bolt	EM-05-11-111	EM-05-11-101*	EM-05-11-110	EM-05-11-100
Side Mount Latch Bolt	EM-05-21-111	EM-05-21-101*	EM-05-21-110	EM-05-21-100

* For Mechanical Version of Front Mount Style order part number EM-05-11-001
* For Mechanical Version of Side Mount Style order part number EM-05-21-001
(Mechanical version does not include drive motor or electronics)

Other options available. For complete details on variety, part numbers, installation and specification, go to

INFO CLIC *www.southco.com/EM-05*

Dimensions in millimeters (inch) unless otherwise stated