



# 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

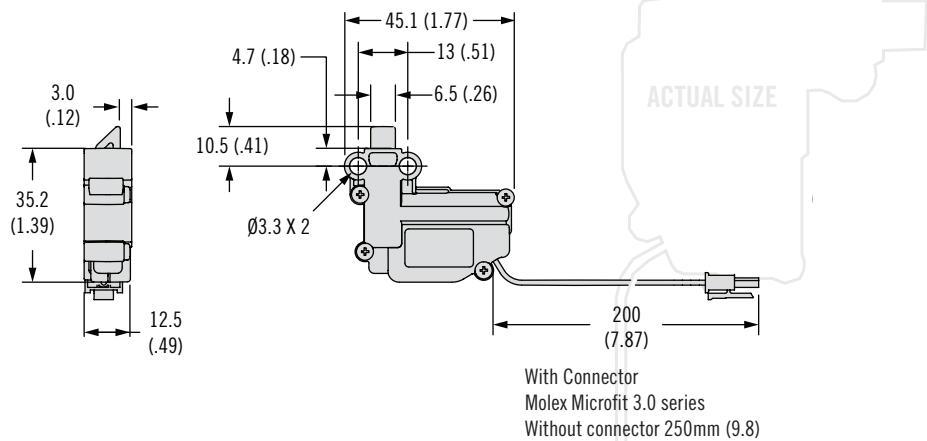
## Material & Finish

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

## Electrical Specifications

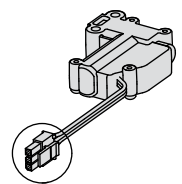
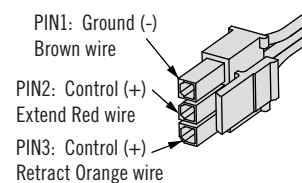
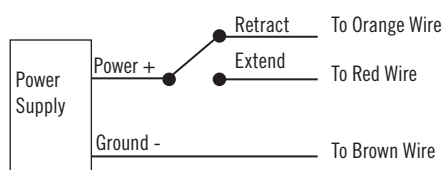
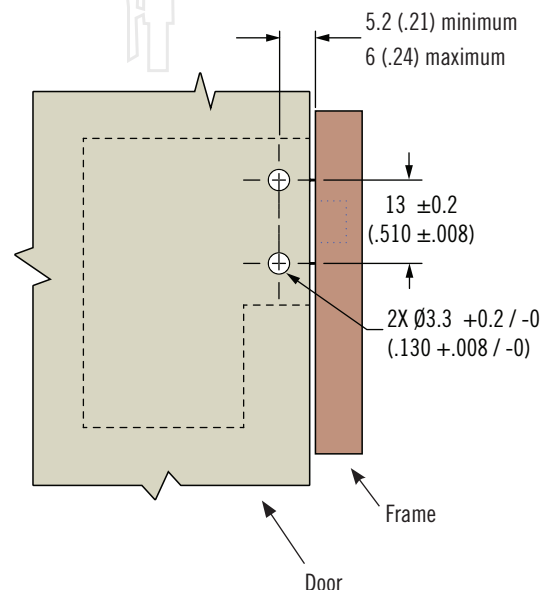
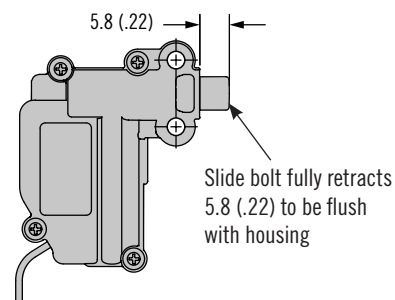
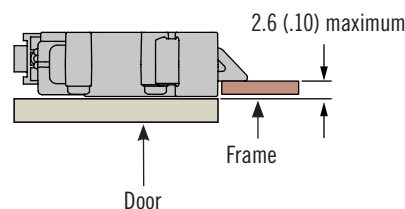
Supply Voltage: 5V  $\pm 10\%$   
 Operating Current: < 300mA  
 Operating Temperature:  
 0°C to 60°C  
 Operating Humidity: 85% max  
 No condensation

## Latch Bolt / Connector Option Shown



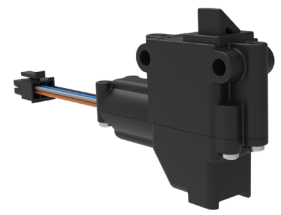
Part Numbers	Connector Type
EM-05-53-2001	with Molex brand Microfit 3.0 connector
EM-05-53-2002	without connector (stripped and tinned)

## Installation



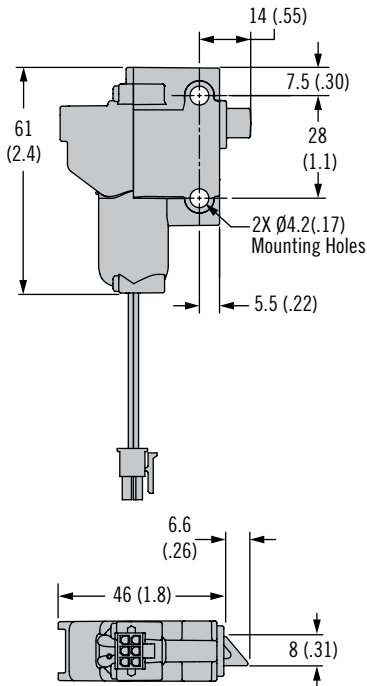
# EM-05-4X Electro-Mechanical Slide Bolt

## Push-to-close · Integrated Sensing

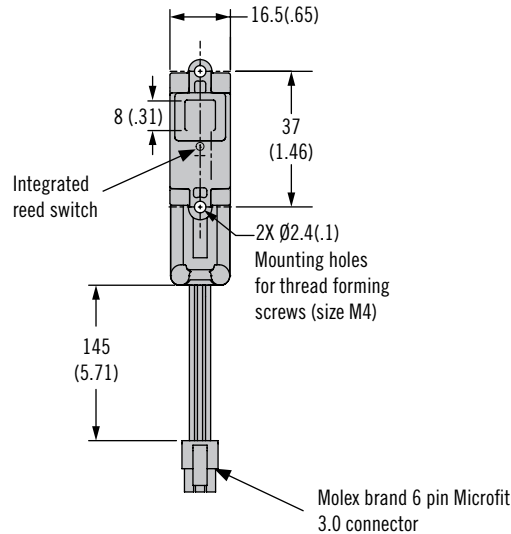


39D

### Perpendicular Mounting Holes



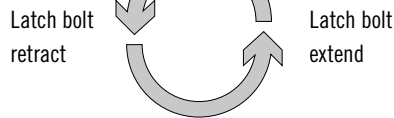
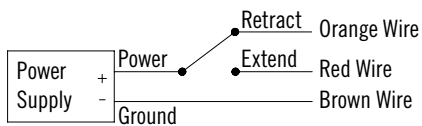
### In-Line Mounting Holes



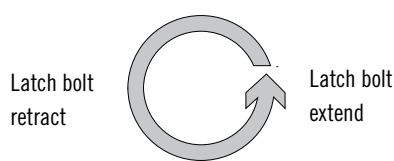
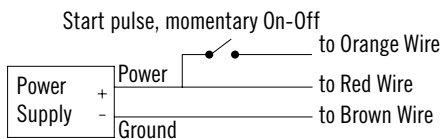
#### Part Number

EM-05-42-2401

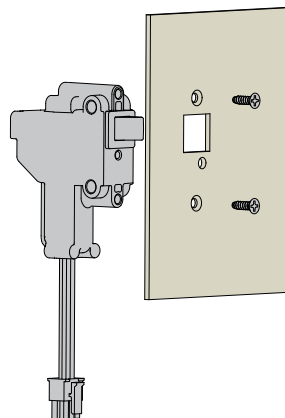
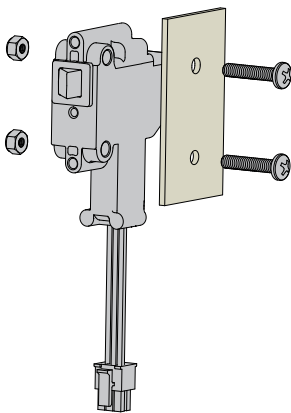
### Two Position (Lock-Unlock) Mode



### Start Pulse (Auto-Relock) Mode



### Mounting Options



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

### 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

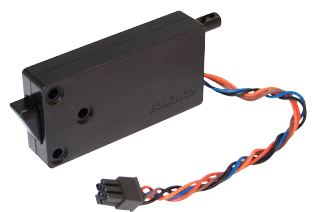
Operating Humidity: 85% max

No condensation

### Notes

Visit [Southco.com](http://Southco.com) to download further installation and operation details.

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



# 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

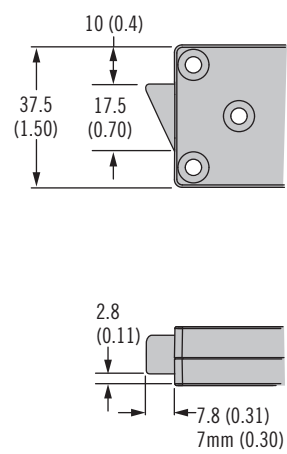
## Electrical Specifications

Recommended Operating Voltage:  
12-24 VDC  
Typical Operating Current:  
Less than 600mA at 12 VDC

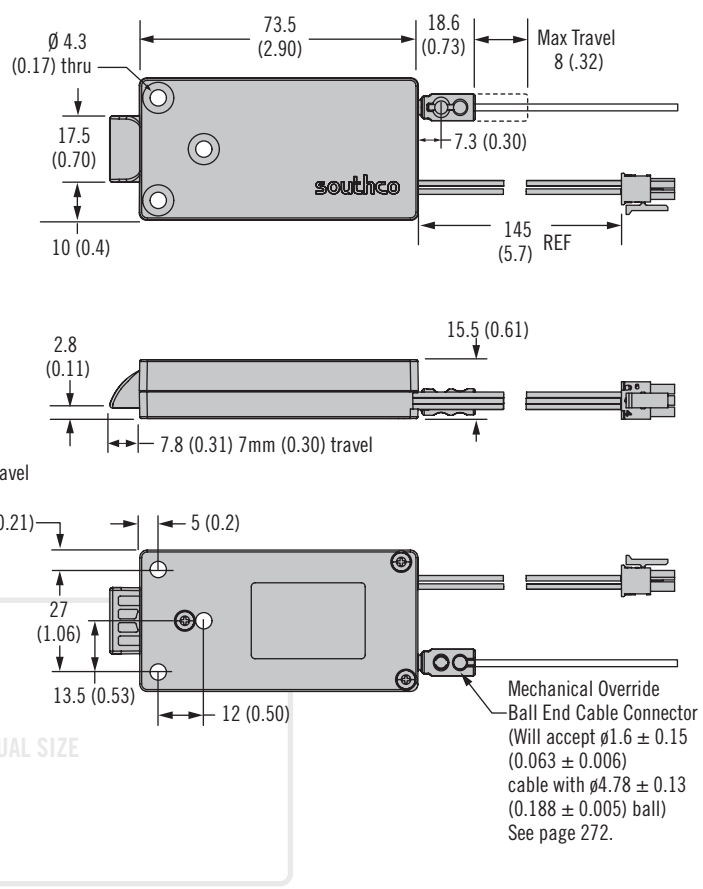
## Control Input

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

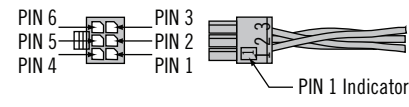


## Front Mount



## 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



[www.southco.com/EM-05](http://www.southco.com/EM-05)

Dimensions in millimeters (inch) unless otherwise stated

