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-Re-lock 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 Humidity: 85% max
No condensation

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>Connector Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM-05-53-2001</td>
<td>with Molex brand Microfit 3.0 connector</td>
</tr>
<tr>
<td>EM-05-53-2002</td>
<td>without connector (stripped and tinned)</td>
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</tbody>
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Installation

- Power Supply: Power +
  - Retract: To Orange Wire
  - Extend: To Red Wire
  - Ground: To Brown Wire

Dimensions in millimeters (inch) unless otherwise stated
**EM-05 Miniature Electronic Slide Bolt**

**Push-to-close · Compact size · Mechanical override**

- 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
- Extended Position: 0 VDC

**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**

<table>
<thead>
<tr>
<th>Type</th>
<th>With Mechanical Override</th>
<th>Without Mechanical Override</th>
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<tbody>
<tr>
<td></td>
<td>With Switch</td>
<td>Without Switch</td>
</tr>
</tbody>
</table>

* 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)

Dimensions in millimeters (inch) unless otherwise stated