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AC-EM-05 Electro-Mechanical Actuator

Push-style Actuator · Compact Size

- **Compact, low power, push only electrical actuator**
- **Versatile solution for implementing electrical actuation**
- **Economical upgrade for Southco R4-05 Rotary Latch from mechanical to electrical actuation**
- **Available with or without connector**

Material & Finish

Enclosure, Output Cam:
Nylon, Acetal; Black
Housing Assembly Screws:
Steel, zinc plated

Electrical Specifications

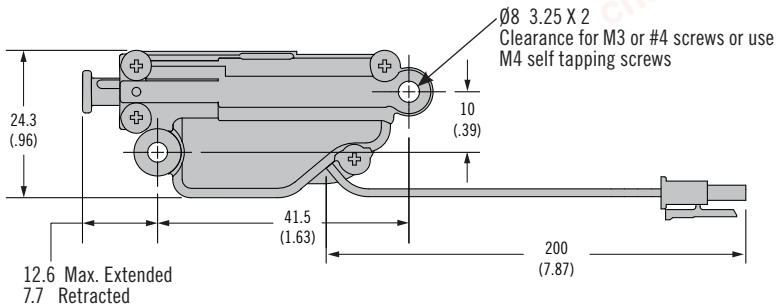
Supply Voltage: 5VDC +/- 10%

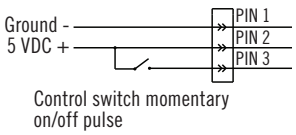
Operating Current:
Less than 300mA at 5VDC

Operating Temperature:
-20°C - 60°C

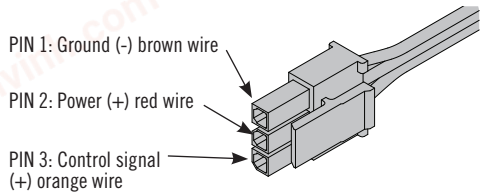
Notes

*Mount using the 3.25 dia through holes or with thread forming screws (M4) for plastic.





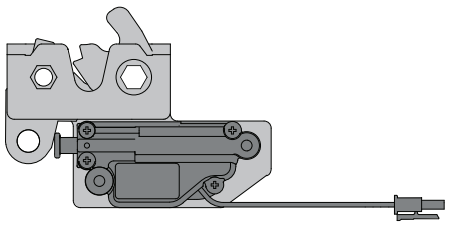
Control switch momentary
on/off pulse



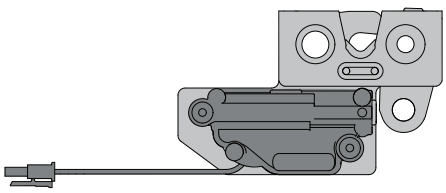
Part Number	Connector Type
AC-EM-050-5010	with Molex brand Microfit 3.0 connector
AC-EM-050-5020	without connector (stripped and tinned)

Optional Mounting Kit

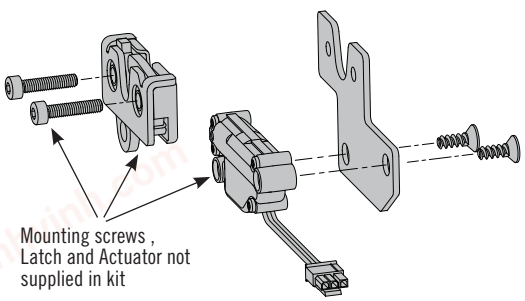
For R4-05-XX-505 Rotary Latches (latch and actuators sold separately)



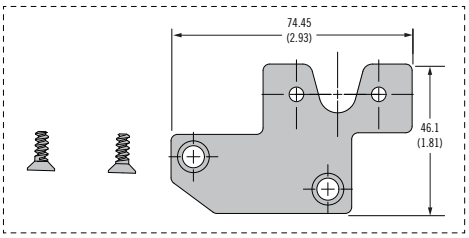
Right hand mounting kit



Left hand mounting kit



Mounting screws ,
Latch and Actuator not
supplied in kit



Kit consists of mounting plate and 2 self-tapping screws
AC-EM-020-2 shown

Part Number	Type
AC-EM-020-1	Left hand mounting kit
AC-EM-020-2	Right hand mounting kit

Dimensions in millimeters (inch) unless otherwise stated

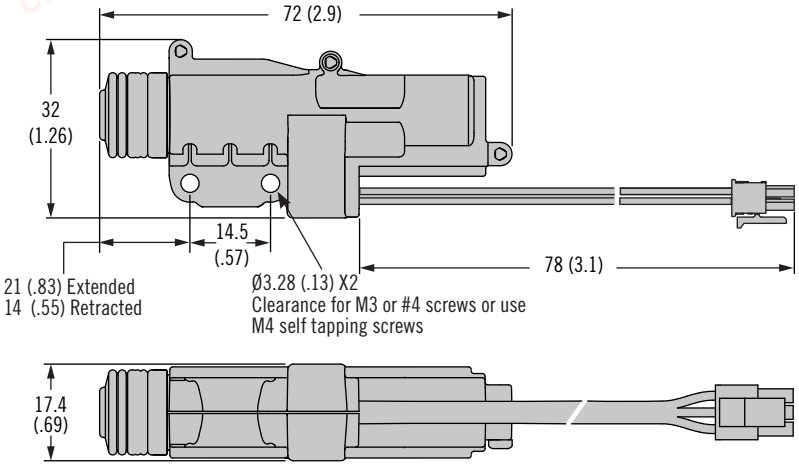
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AC-EM-10 Electro-Mechanical Actuator

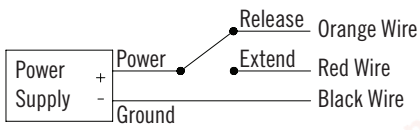
Push-style Actuator · Compact Size

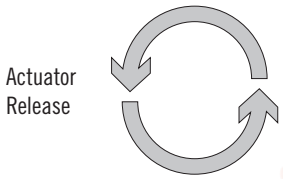




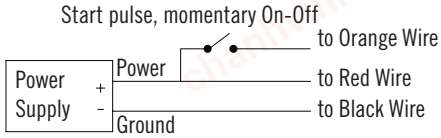
- **Two operation modes: Extend & Release and Extend & Hold**
- **Efficient gear motor drive**
- **7.0 mm of travel**
- **IP67 / Class 1 Division 2**
- **Works with Southco R4-10 mechanical rotary Latches**

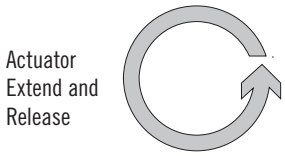
Extend and Hold Mode

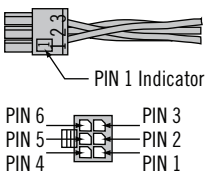




Extend and Release Mode







Material & Finish

Enclosure, Output Cam: Nylon, Acetal
Housing Assembly Screws: Stainless steel

Electronic Specifications

Supply Voltage: 5 or 12VDC

Operating Current:
Less than 300 mA

Operating Temperature:
-20°C - 60°C

Operating Humidity: 85% max
No condensation

Notes

Connector version uses Molex brand Microfit 3.0

Visit southco.com to download further installation and operation details

*Refer to trade drawing for detailed operating instructions.

Part Number Selection

F Function
- **0** Extend and release
- **2** Extend and hold

P Packaging Option
- **None** Individual
- **1** Bulk

AC - EM - 10 F - V 0 C S - P

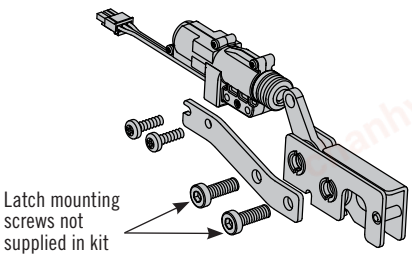
V Supply Voltage
- **1** 12 Volt
- **5** 5 Volt

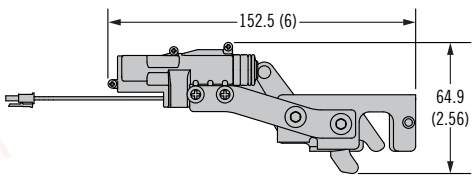
C Connector
- **2** Without connector
- **4** Molex Microfit 3.0 series 6 Pin

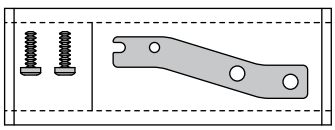
S Sealing Level
- **2** IP67 / Class 1 Division 2

Optional Mounting Kit

For use with R4-10 Mechanical Rotary Latch
Part number AC-EM-059-1







Latch and Actuators sold separately

Kit consists of mounting plate and 2 self-tapping screws:

Kit Part Number	Mounting Plate Material, Finish
AC-EM-059-1	Steel, zinc plated
AC-EM-059-2	Stainless steel, passivated

Dimensions in millimeters (inch) unless otherwise stated