R4 Rotary Latch
Medium-Duty — Concealed

- **Symmetrical design with cable mount simplifies installation**
- **Integrated bumper reduces noise and dampens vibration**
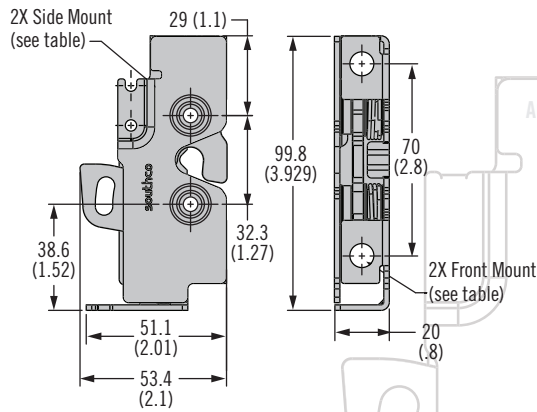- **Front or side mount**

Material and Finish
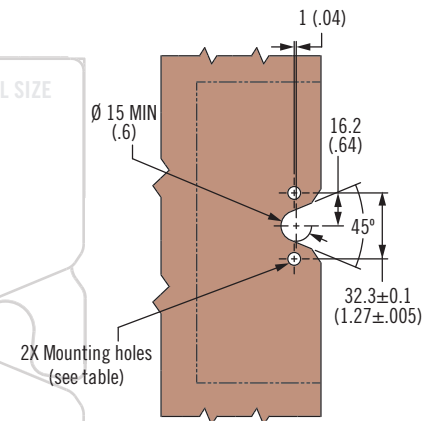Steel, zinc plate or zinc nickel plate

Accessories
Strikers see page 297 for 9mm diameter (integrated bumper) solutions.
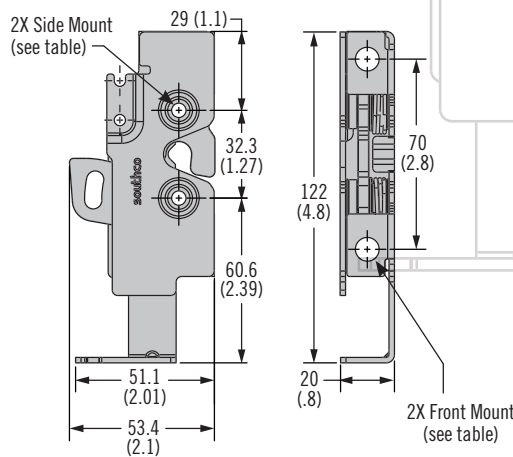
Cables and retainer clips see pages 322-323
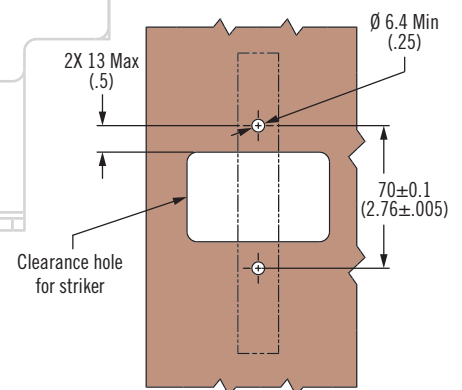
Latch with mount for cable without return assist spring

Panel preparation side mount

Latch with mount for cable with return assist spring

Panel preparation front mount

Part Number Selection

R4 - 25 - 2 [I] 0 - 5 0 0 [B] - MM

[I] Mounting Style
- **0** Side mount Ø6.7(.283) thru
- **1** Side mount 1/4-20 thread
- **2** Side mount M6 x 1 thread
- **3** Front mount (M6) with side mount Ø6.7(.283) thru

[B] Base Style
- **2** Mount for cable with return spring assist, no bumper
- **3** Mount for cable without return spring assist, no bumper
- **6** Mount for cable with return spring assist, with bumper
- **7** Mount for cable without return spring assist, with bumper

MM Material
- **10** Steel, zinc plated
- **15** Steel, black zinc nickel

Dimensions in millimeters (inch) unless otherwise stated

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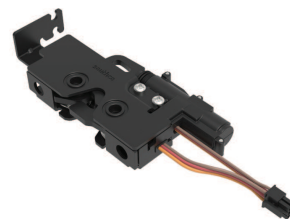
Latch with door sensor
(with mount for cable with return assist spring shown)

2X Side Mount Holes
(see table)

153
(6)

Switch Pin Out	
Pin	**Function**
1	No connect
2	No connect
3	No connect
4	Switch common
5	Door secure
6	Door open

Molex Micro-Fit 3.0 connector

PIN 6
PIN 5
PIN 4

PIN 3
PIN 2
PIN 1

Latch with door sensor and 12 V sealed electronic actuator
(with mount for cable without return assist spring shown)

125
(4.9)

Ø 6.4
(0.25)

51.1
(2.01)

60.7
(2.4)

38.6
(1.52)

32.3
(1.27)

29
(1.1)

2

31 (1.2)
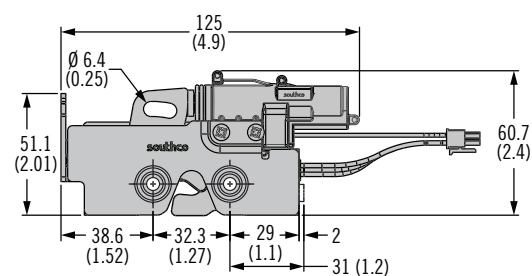
Switch with Actuator Pin Out	
Pin	**Function**
1	Ground
2	Power release
3	Power relock
4	Switch common
5	Door secure
6	Door open

Enable wireless operation with
Southco's *BLUETOOTH*® Controller

Part Number Selection

R4 - 25 - 2 I 0- 5 1 E B - MM

I Mounting Style
0   Side mount Ø6.7(.283) thru
1   Side mount 1/4-20 thread
2   Side mount M6 x 1 thread
3   Front mount (M6) with side mount Ø6.7(.283) thru

E Electronic Actuation Options
0   None (latch with switch only)
B   12VDC sealed
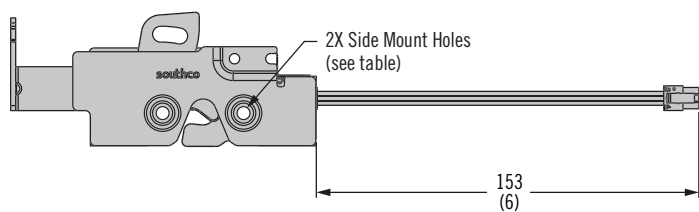   (latch with switch and electronic actuator)

B Base Style
2   Mount for cable with return spring assist,
     no bumper
3   Mount for cable without return spring
     assist, no bumper
6   Mount for cable with return spring assist, with
     bumper
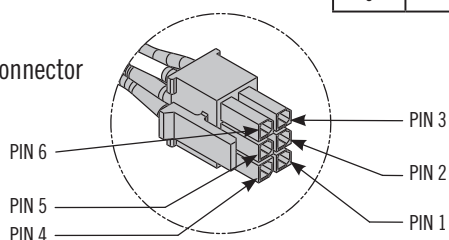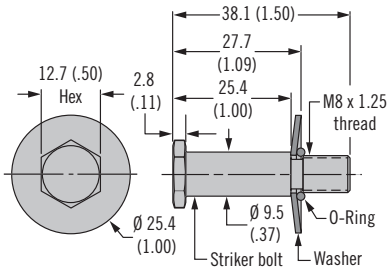7   Mount for cable without return spring assist,
     with bumper

MM Material
10   Steel, zinc plated
15   Steel, black zinc nickel

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Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/R4

Striker Bolt Assembly - Standard
(sold separately)

12.7 (.50) Hex
38.1 (1.50)
27.7 (1.09)
25.4 (1.00)
2.8 (.11)
M8 x 1.25 thread
Ø 25.4 (1.00)
Ø 9.5 (.37)
O-Ring
Striker bolt
Washer

ACTUAL SIZE

Striker Bolt Assembly - Integrated Bumper
(sold separately)

40 (1.57)
29.5 (1.16)
27.3 (1.07)
5 (.20) Hex recess
Ø 9 (.36)
Striker bolt
Ø 25.4 (1.00)
Washer
M8 X 1.25 thread
O-ring

Striker Bolt Standard	
Part Number	**Material**
R4-90-121-10	Steel, Zinc Plated
R4-90-121-20	Stainless Steel
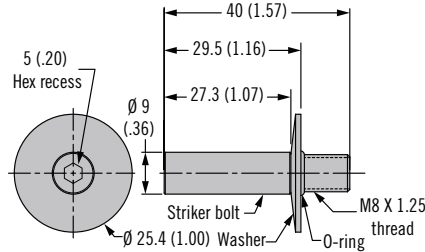
Striker Bolt Integrated Bumper	
Part Number	**Material**
R4-90-124-10	Steel, Zinc Plated
R4-90-124-20	Stainless Steel

Striker 90° Mounting Bracket

26 (1.02)
8 (0.31)
14 (0.55)
14 (0.55)
40 (1.57)
10 (0.39)
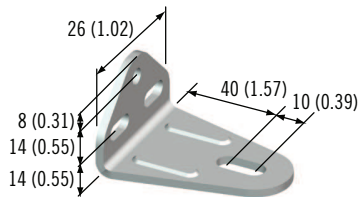
Striker Mounting Bracket	
Part Number	**Material**
R4-0-50114	Stainless Steel

Wire Form Strikers
(sold separately)

Ø 9.2 (.36)
42.6 (1.68)
31 (1.2)
50 (2)

2X 6.7 (.26)
2X 6.7 (.26)
54 (2.1)
Perpendicular Mount

2X 16 (.6)
2X 6.7 (.26)
54 (2.1)
Parallel Mount

Wire Form Strikers - Standard Ø9.2 (.36)		
Part Number	**Mount**	**Material**
R4-90-101-10	Perpendicular	Steel, Zinc Plated
R4-90-101-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-101-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-102-10	Parallel	Steel, Zinc Plated
R4-90-102-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-102-77	Parallel	Steel, Zinc Nickel Plated

Wire Form Strikers -Integrated Bumper Ø9 (.35)		
Part Number	**Mount**	**Material**
R4-90-104-10	Perpendicular	Steel, Zinc Plated
R4-90-104-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-104-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-106-10	Parallel	Steel, Zinc Plated
R4-90-106-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-106-77	Parallel	Steel, Zinc Nickel Plated

- **Strikers for R4-10 series rotary latch**

Material and Finish
Steel, zinc plated Steel, zinc nickel plated, Steel, black zinc nickel plated, Stainless Steel, passivated
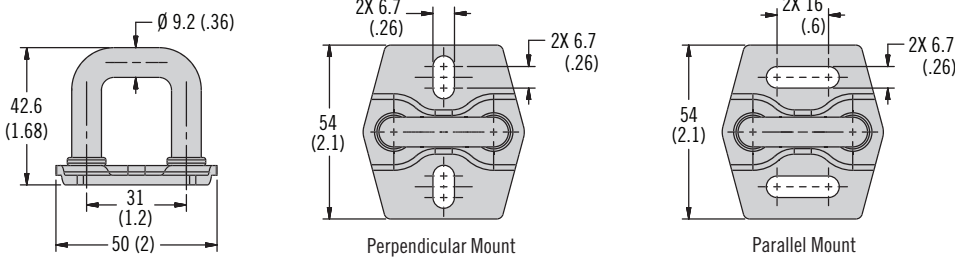
Operation

Latched position
Unlatched position

Part Number
See tables