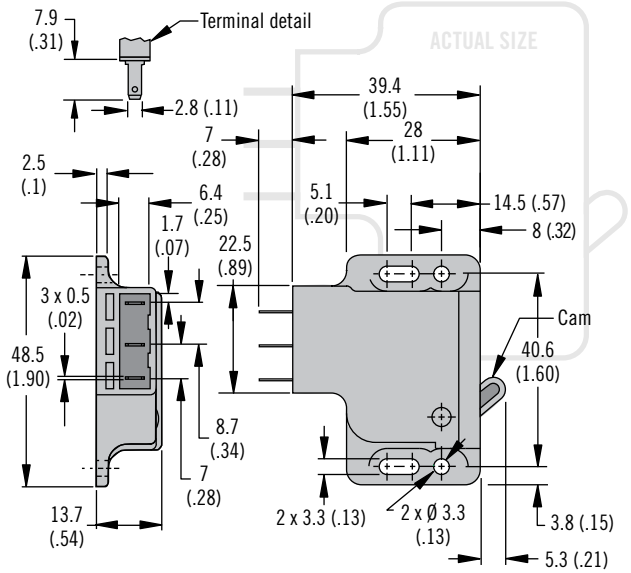
C3 Push-to-Close Latch

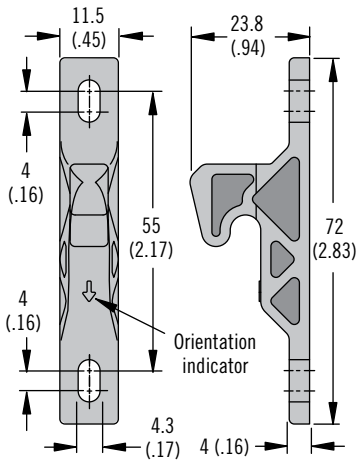
Pull-to-open · Grabber catch with integral Microswitch



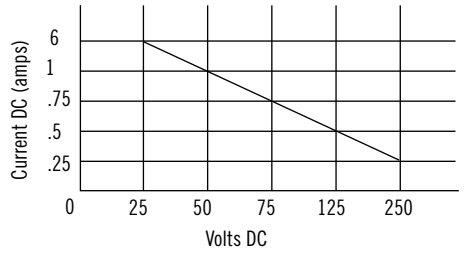
Catch



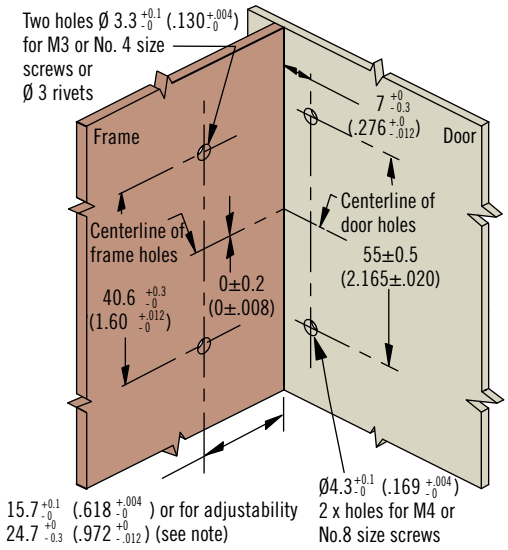
Keeper



Switch specification. Subminiature VDE, UL approved. Switch is fitted with fast-on terminals. Max AC voltage 250V, max AC current 6A. See graph below for DC resistive load.



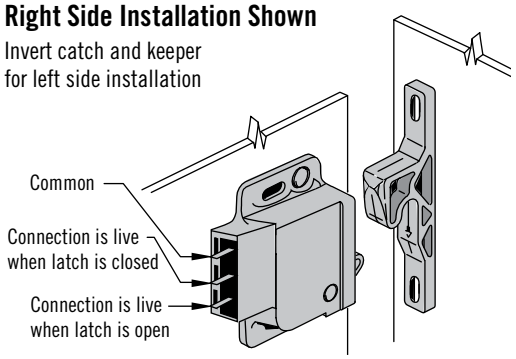
Over 50 V DC, inductive loads should be greatly reduced



Note: These holes and dimensions are used only if adjustability through the use of slotted holes in catch is desired.

Right Side Installation Shown

Invert catch and keeper for left side installation



Approximate Pull-Up Force	Spring Color	Part Number
13 N (3 lbf)	Blue	C3-1803
22 N (5 lbf)	Silver	C3-1805
44 N (10 lbf)	Black	C3-1810

- **Opens and closes switch contacts with door operation**
- **One assembly includes catch and keeper**
- **Spring loaded over-center latching**

Material and Finish

PC/ABS, black and glass-filled nylon, black

Performance Details

Operating temperature range: -40ºC (-40ºF) to 60ºC (140ºF)

Flammability rating: UL94-V0

Installation Notes

Max. tightening torque on mounting screws (not supplied):
Catch 1.1 N·m (9.7 in·lbf)
Keeper 2.8 N·m (24.8 in·lbf)
Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching.

Notes

This product is specifically designed to be used as a mechanical grabber catch with an electric switch. The switch is designed to operate an indicator light or form part of a non-safety related logic circuit. This is not designed for use as a safety interlock.
Terminal cover is used for protection during shipping only. Use strain relief on wires.

Min. distance from frame (or surface on which catch sub-assembly is mounted) to centerline of door hinge is 150 (5.9)

Part Number

See table



C3 Push-to-Close Latch

Pull-to-open · Grabber catch · Snap-in

- **Spring-loaded over-center latching**
- **One assembly includes catch and keeper**

Material and Finish

PC/ABS, black and glass-filled nylon, black, mineral filled nylon, black

Performance Details

Operating temperature range: -30°C (-20°F) to 60°C (140°F)

Flammability rating: UL94-HB

Installation Notes

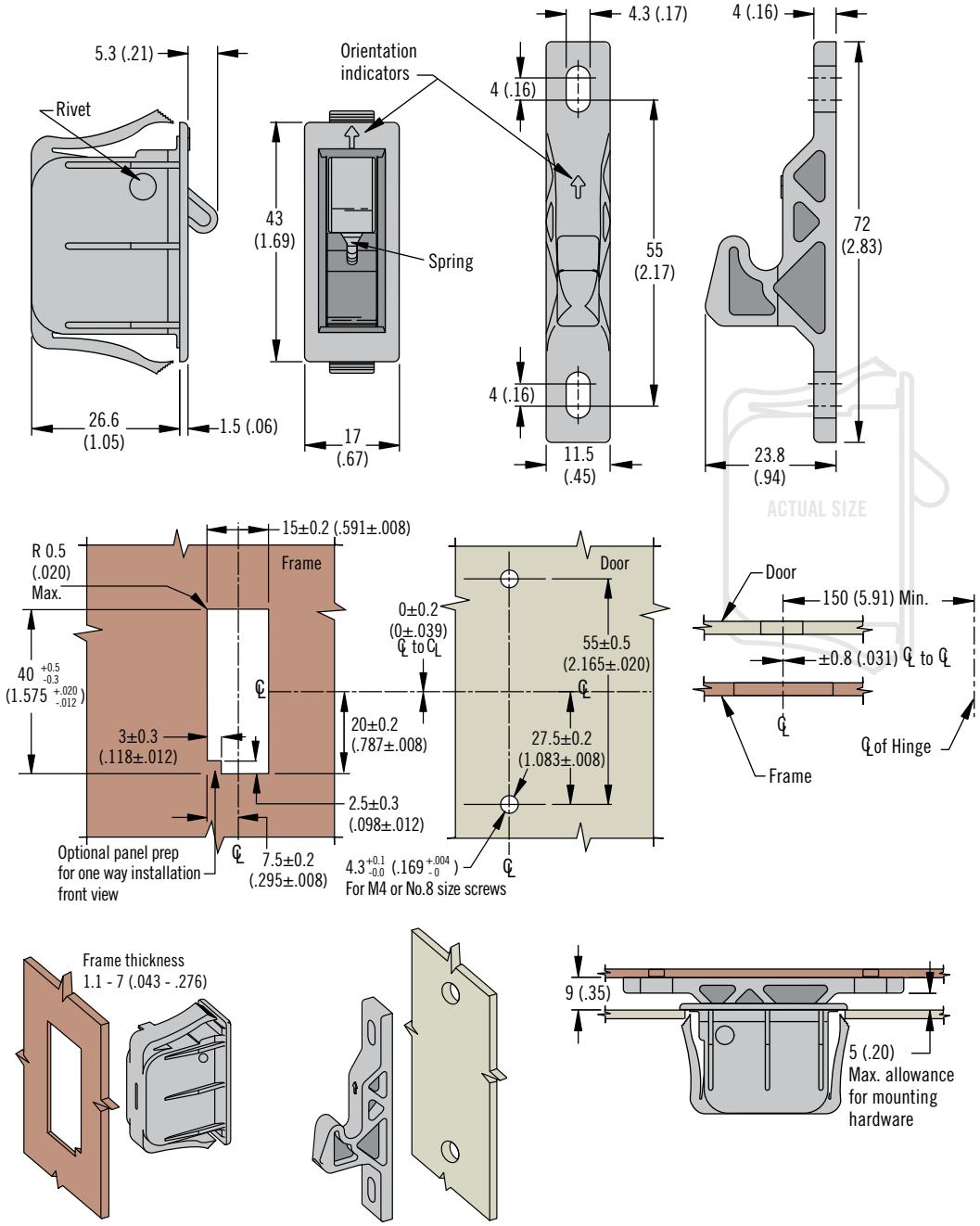
Max. tightening torque on mounting screws (not supplied)
Keeper: 2.8 N·m (24.8 in·lbf)

Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching

Part Number

See table

Catch **Keeper**



Approximate Pull-Up Force	Spring Color	Part Number		
		Frame Thickness Range		
		1.1 - 2.9 (.043 - .114)	2.9 - 5.3 (.114 - .209)	5.3 - 7 (.209 - .276)
13 N (3 lbf)	Blue	C3-303	C3-503	C3-703
22 N (5 lbf)	Silver	C3-305	C3-505	C3-705
44 N (10 lbf)	Black	C3-310	C3-510	C3-710

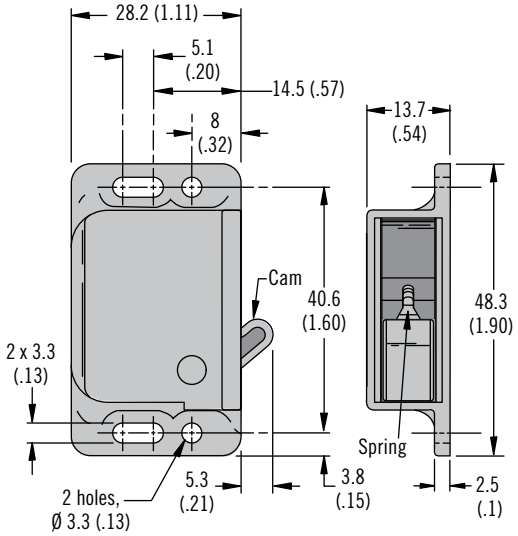
Dimensions in millimeters (inch) unless otherwise stated

C3 Push-to-Close Latch

Pull-to-open · Grabber catch · Side mount

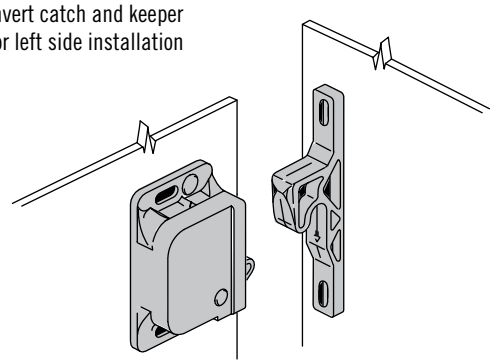


Catch

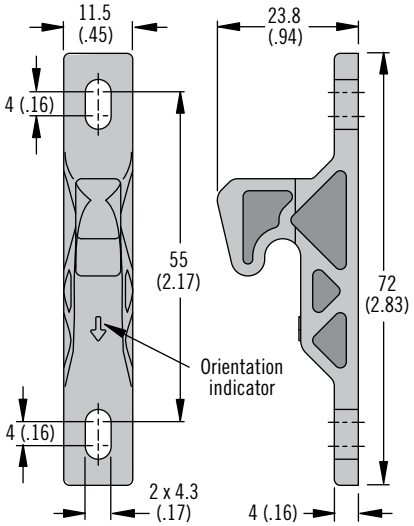


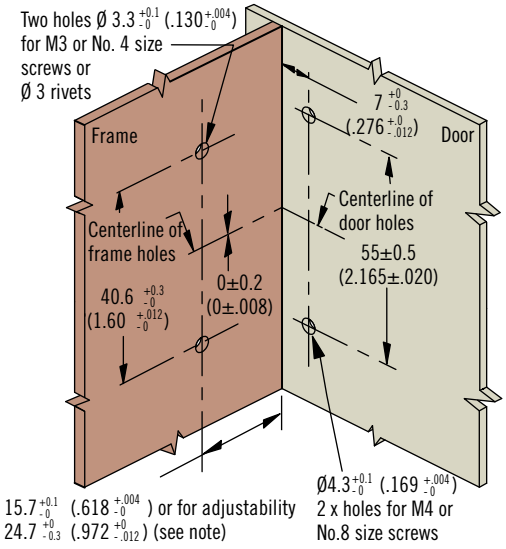
Right Side Installation Shown

Invert catch and keeper for left side installation



Keeper





Note: These holes and dimensions are used only if adjustability through the use of slotted holes in catch is desired.

Approximate Pull-Up Force	Spring Color	Part Number
13 N (3 lbf)	Blue	C3-803
22 N (5 lbf)	Silver	C3-805
44 N (10 lbf)	Black	C3-810

- **Spring-loaded over-center latching**
- **One assembly includes catch and keeper**

Material and Finish

PC/ABS, black and glass-filled nylon, black, mineral filled nylon, black

Performance Details

Operating temperature range: -30°C (-20°F) to 60°C (140°F)

Flammability rating: UL94-HB

Installation Notes

Max. tightening torque on mounting screws: (not supplied)
Catch: 1.1 N·m (9.7in·lbf)
Keeper: 2.8 N·m (24.8in·lbf)

Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching.

Min. distance from frame (or surface on which catch sub-assembly is mounted) to centerline of door hinge is 150 (5.9)

Part Number

See table