✓ Screw or bolt mount configuration is easy to design into your products

✓ Offered with one or two independent electrical circuits

✓ Wiping-action internal contacts self-clean to prevent carbon buildup and increase life

OPERATION

Delta's plunger switches are used in rugged environments to sense the position of mechanical linkages and controls

SPECIFICATIONS

Property		
Pre-travel, inches		.040-.150
Current Rating @12-14V, A		3
Life @ Rated Load, Cycles	Inductive	10,000
	Resistive	75,000
Operating Temperature		-20 to +150 °F
Storage Temperature		-30 to +150 °F

ENVIRONMENTAL RATINGS

Exposure	Specification
Salt Fog	ASTM B117, 96 Hours
Chemical Resistance	ASTM Ref C Fuel, Diesel Fuel, Oil, Antifreeze, Freon, Paint, Latex, Gasoline, Gas with 10% ethanol, WD-40, Battery Acid, Ammoniated Glass Cleaner, Kerosene, Go Jo, Fertilizer

MOUNTING

6402 series switch housings have one .260 diameter clearance hole and one .151 diameter, .126 tall post spaced .420 apart for mounting with a single screw.
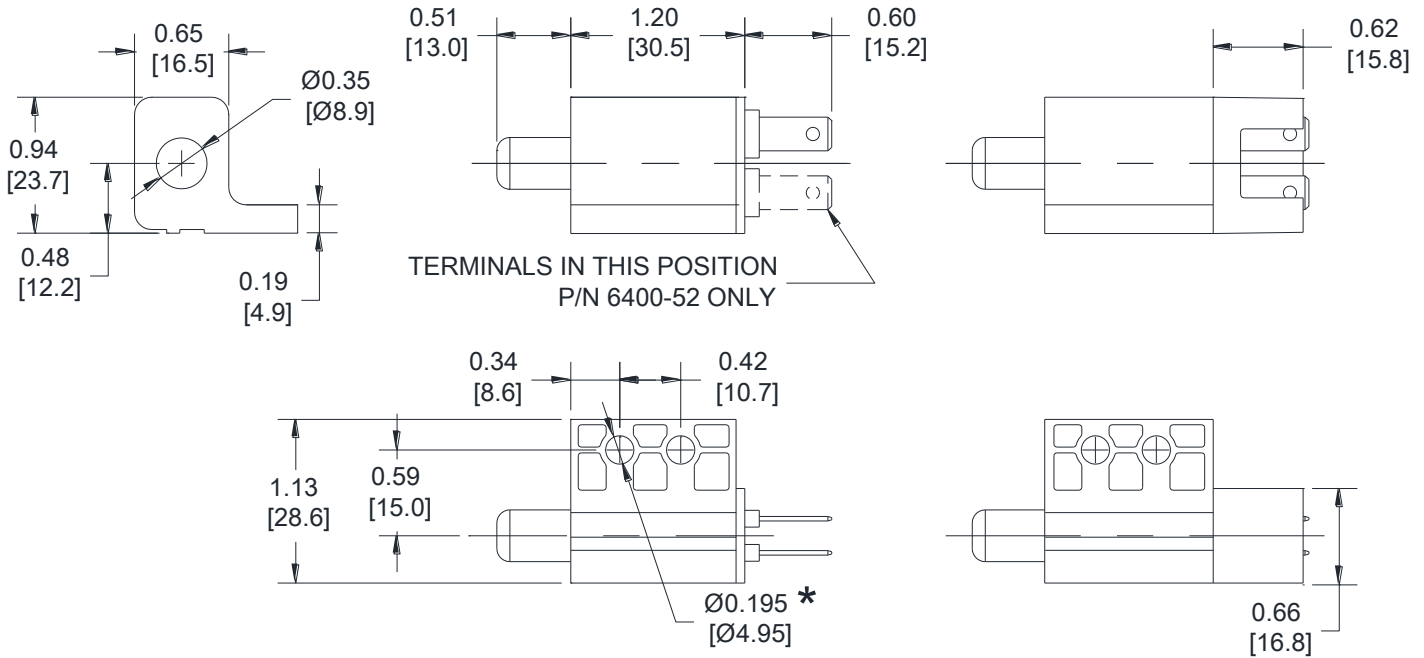
All other series switch housings have two .195 diameter clearance holes spaced .420 apart for bolt or screw mounting, except for 6400-31, which has two .166 diameter clearance holes spaced .420 apart for bolt or screw mounting.
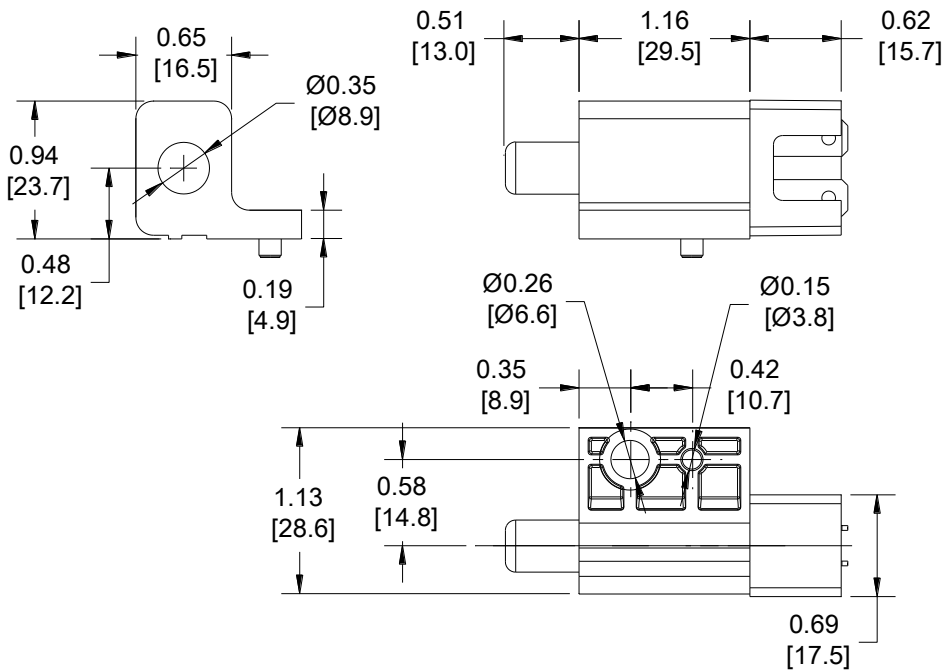
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DIMENSIONS

6400 / 6405 Series   One Pole   Two Pole

TERMINALS IN THIS POSITION
P/N 6400-52 ONLY

Ø0.195 *
[Ø4.95]

* NOTE: 6400-31 only has a nominal mounting hole size of Ø0.166 [Ø4.20]

6402 Series

DIMENSIONS (cont.)
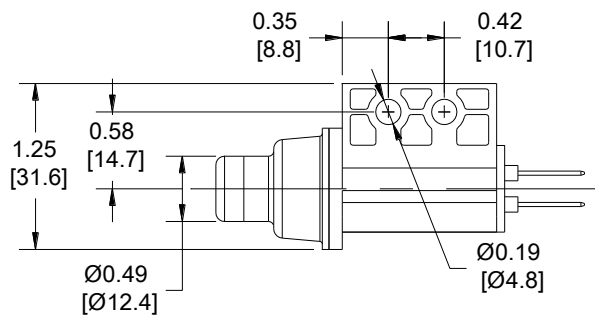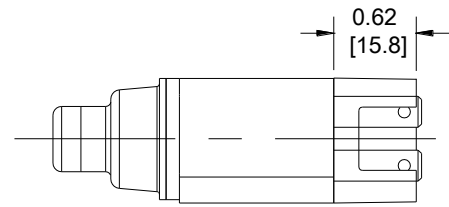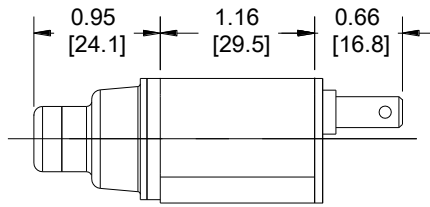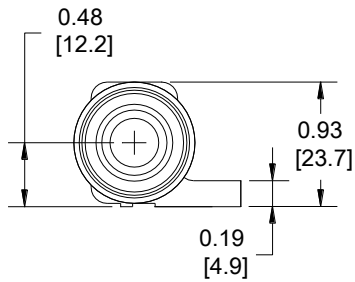
6410 Series

One Pole

Two Pole

0.48 [12.2]

0.93 [23.7]

0.19 [4.9]

0.95 [24.1]

1.16 [29.5]

0.66 [16.8]

0.62 [15.8]

0.35 [8.8]

0.42 [10.7]

1.25 [31.6]

0.58 [14.7]

Ø0.49 [Ø12.4]

Ø0.19 [Ø4.8]

0.66 [16.8]

6420 Series

One Pole

Two Pole

0.48 [12.2]

0.93 [23.7]

0.19 [4.9]

0.95 [24.1]

1.16 [29.5]

0.66 [16.8]

0.98 [24.8]

0.62 [15.8]

0.35 [8.8]

0.42 [10.7]

1.25 [31.6]

0.58 [14.7]

0.75 [19.1]

Ø0.49 [Ø12.4]

Ø0.19 [Ø4.8]

0.66 [16.8]

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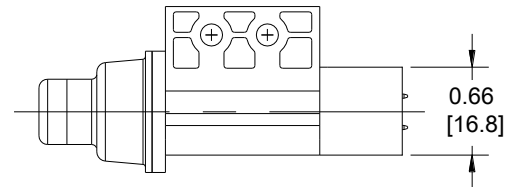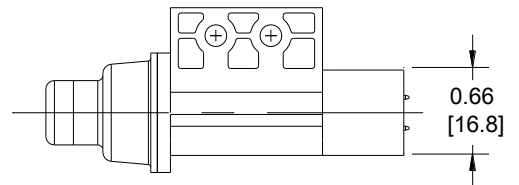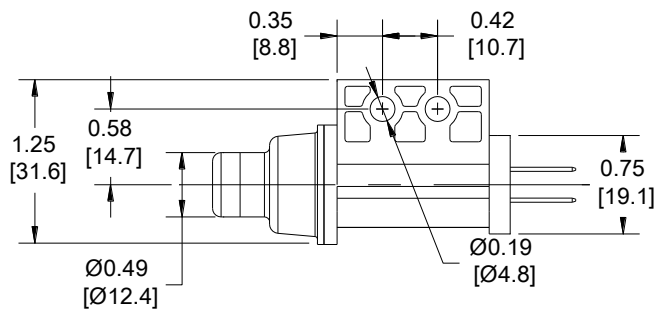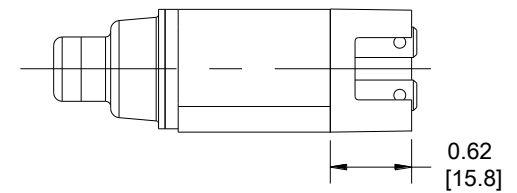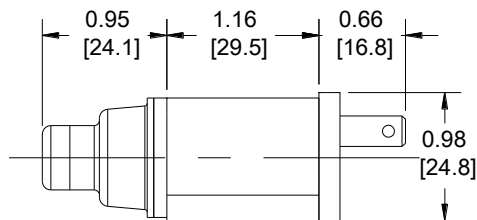
DIMENSIONS (cont.)

6460 Series

0.59
[15.0]

Ø.195
[Ø4.95] (2)

0.21
[5.4]

0.35
[8.8]

0.42
[10.7]

1.13
[28.6]

0.94
[23.7]

0.48
[12.2]

2.06
[52.3]

0.50
[12.7]

1.16
[29.5]

6470 Series

.59
[15.0]

Ø.195
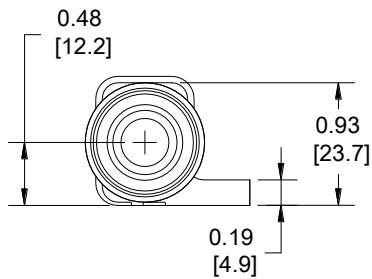[Ø4.95] (2)

.21
[5.4]

.35
[8.8]

.42
[10.7]

1.13
[28.6]

.94
[23.7]

Ø0.49
[Ø12.4]

.48
[12.2]

2.06
[52.3]

.95
[24.2]

1.16
[29.5]

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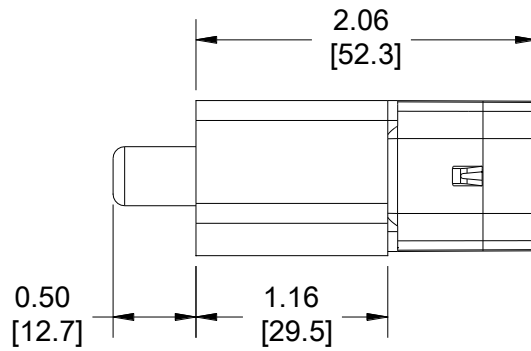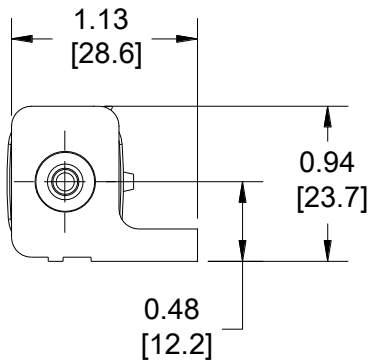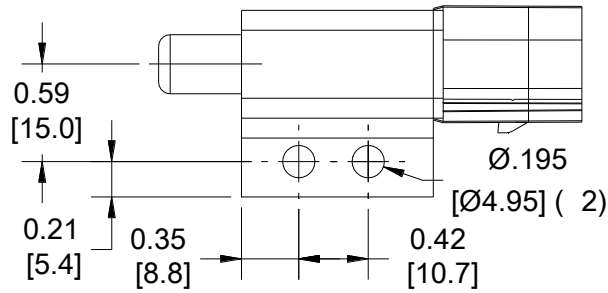
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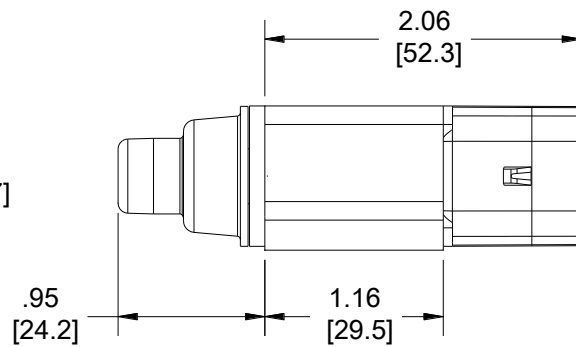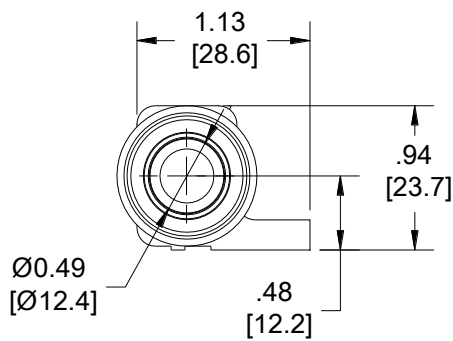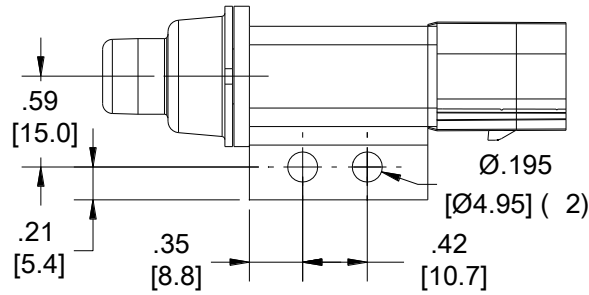
AVAILABLE CONFIGURATIONS

Part Number	Electrical Configuration	Mating Connector	Environmental Rating
6400-02	NO/NO	Delphi 2977048	Unsealed
6400-03	NC/NC	Delphi 2977048	Unsealed
6400-31	NC	Delphi 2973872	Unsealed
6400-51	NC	Delphi 2973872	Unsealed
6400-52	NO	Delphi 2973872	Unsealed
6400-53	NO/NC	Delphi 2977048	Unsealed
6400-54	NO	Delphi 2973872	Unsealed
6400-87	NC	Delphi 2973872	Unsealed
6400-88	NO	Delphi 2973872	Unsealed
6402-53	NO/NC	Delphi 2977048	Unsealed
6405-53	NO/NC	Delphi 2977048	Splash-proof Connector
6410-02	NO/NO	Delphi 2977048	Splash-proof Plunger
6410-03	NC/NC	Delphi 2977048	Splash-proof Plunger
6410-51	NC	Delphi 2973872	Splash-proof Plunger
6410-53	NO/NC	Delphi 2977048	Splash-proof Plunger
6410-54	NO	Delphi 2973872	Splash-proof Plunger
6420-02	NO/NO	Delphi 2977048	Splash-proof
6420-03	NC/NC	Delphi 2977048	Splash-proof
6420-51	NC	Delphi 2973872	Splash-proof
6420-53	NO/NC	Delphi 2977048	Splash-proof
6460-53	NO/NC	Molex 33472-0801	IP67 Connector
6460-54	NC/NO	Molex 33472-0801	IP67 Connector
6470-53	NC/NO	Molex 33472-0801	IP67
6470-54	NO/NO	Molex 33472-0801	IP67

Slash-proof switches have an elastomer boot covering the opening to the switch at the plunger (splash-proof plunger) and/or encapsulating material around the terminals on the switch body (splash-proof connector).

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Item #	Manufacturer	Description
9900	Delta Systems	Protective Cover

Note: Life expectancy and performance are largely dependent on application. It is the user's responsibility to determine suitability of this product for the application. This information is intended as a guide for proper application.

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