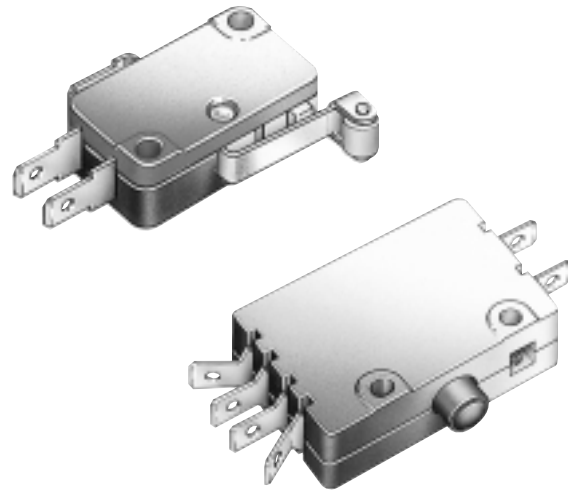


UltraSwitch™ Mechanical Switch Options

Introduction:

Mechanical switch technology is the oldest yet most cost effective switching method used today. These switches feature levers or buttons which physically contact cams to indicate valve open and closed positions. Tool-free cam adjustment is accomplished through a spring-loaded spline arrangement. Simply push or pull the cam, disengaging the splines, and rotate to desired switch trip point. After releasing, the spring causes automatic spline engagement, locking the setting.



Applications:

Mechanical switches, the industry work-horse, are the least expensive option and may be used over a wide range of applications. They feature corrosion resistant silver-plated contacts for long life. They are suitable for both resistive and inductive loads from 15 Amps down to 50 mA at rated voltages.

Automax offers three configurations: Type 1 - (2) SPDT; Type 2 - (4) SPDT; and Type 3 - (2) DPDT. Types 1 and 2 in **XL**, **PL**, or **PC** enclosures provide up to four independent circuits in SPDT format (Type 2 is not available in the GL series). Type 3 switches in **XL**, **PL**, **PC**, or **GL** enclosures provide two pairs of independent circuits in DPDT format.

Features:

1. Silver-plated contacts and stainless steel or beryllium-copper springs resist atmospheric corrosion.
2. Snap-acting beam movement resists surges associated with making/breaking inductive or capacitive loads. It also permits use in high-vibration applications.
3. Wear-resistant nonmetallic buttons or plungers assure long mechanical life.

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Specifications:**Type 1 - (2) SPDT (XL, PL, GL, PC)****Type 2 - (4) SPDT (XL, PL, PC)**

Manufacturer: Honeywell Micro Switch®

Model: V3L-3003-D8

Load Capacity:

15 amp & 1/2 HP 125 VAC, 10 amp 250 VAC,
1/2 amp 125 VDC, 1/4 amp 250 VDC

Operating Force: 4.8 ounces

Differential Travel: .016 inches minimum

Actuated by roller lever (short)

Mechanical life: 10,000,000 cycles

Type 3 - (2) DPDT (XL, PL, PC)

Manufacturer: Cherry®

Model: E19-00A

Load Capacity:

15 amp & 3/4 HP 125 VAC
10 amp 1 HP 250 VAC

Operating Force: 850 grams

Differential Travel: .015 inches minimum

Actuated by button

Mechanical life: 10,000,000 cycles

Type 3 - (2) DPDT (GL)

Manufacturer: Licon®

Model: 22-104

Load Capacity:

10 amp 125/250 VAC
1/2 HP 125 VAC, 3/4 HP 250 VAC

Operating Force: 17 ounces

Differential Travel: .030 inches minimum

Actuated by button

Mechanical life: 10,000,000 cycles

How to order:

All **UltraSwitch™** figure numbers include a meaningful character for switch options. Referring to the table of contents page, simply specify the appropriate character for the desired switch type.

Example: XL21000 = **UltraSwitch™** Explosion Proof enclosure with (2) Type 1 SPDT mechanical switches.