

UltraSwitch™ Gold Contact Mechanical Switch For Low Energy Switching

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 springloaded spline arrangement. Simply push or pull the cam, disengaging the splines, and rotate to the desired switch trip point. After releasing, the spring causes automatic spline engagement, locking the setting.



Applications:

The Gold contact mechanical switches are designed to meet today's low current switching requirements, interfacing with digital (discrete) I/O or entity approved intrinsically safe barriers. They will handle loads as low as 1mA, but will also switch loads as high as 1 Amp (1000 mA.). This switch has highly dependable Gold Cross Point Bifurcated contacts in a SPDT arrangement. The Gold contact mechanical switches are available in the **XL**, **PL** and the **GL** series **UltraSwitch™**.

Automax offers one configuration: **Type G** - (2) SPDT mounted in the **XL**, **PL**, **PC**, or **GL** enclosures. This configuration provides up to two independent circuits in SPDT format.

Features:

1. Gold plated cross point bifurcated 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.
4. Gold plated cross point contacts are designed to give dependable performance in low energy switching applications.

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Specifications:

Type G - (2) SPDT (XL, PL, GL, PC)

Manufacturer: Honeywell Micro Switch®
Model: V3L-3040-D8

Maximum Load Capacity:
1 amp 125 VAC, 50 miliamp at 24VDC

Minimum Load Capacity:
1 miliamp at 125 VAC
1 miliamp at 24 VDC

Operating Force: 17 Grams
Differential Travel: .016 inches minimum
Actuated by roller lever (short)
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: XL2G000 = **UltraSwitch™** Explosion Proof enclosure with (2) Type G SPDT Gold contact mechanical switches.