

UltraSwitch™ Sabre™ Switch Options

Introduction:

Automax Sabre™ switches are premium reed-type proximity switches. They feature hermetically-sealed rhodium contacts for long life under low energy loads and corrosive atmospheres. These switches are tripped by magnets embedded in 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 the desired switch trip point. After releasing, the spring causes automatic spline engagement, locking the setting.



Applications:

The Sabre™ is designed to meet today's low current switching requirements, interfacing with digital (discrete) I/O or entity approved intrinsically safe barriers. The Sabre™ will handle loads as low as 1 mA, but will also switch loads as high as 1 amp (1000 mA). This switch has highly dependable rhodium, hermetically sealed contacts in a SPDT arrangement. The Sabre™ is available in the XL, PL and the GL Series UltraSwitch™.

Up to four SPDT contacts may be supplied in XL, PL or PC enclosures (only two contacts are available in GL).

Features:

1. Hermetically sealed contacts for long life in corrosive atmospheres.
2. Rhodium contact construction resists buildup under low loads.
3. Each Sabre™ has individually adjustable trip points inside our enclosures to maximize magnetic force sensitivity.
4. The low power switching capability makes this switch ideal for intrinsically safe applications.



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Specifications:

Type E - (2) SPDT and

Type F - (4) SPDT

(Note: Type F not available in GL)

Manufacturer: Automax

Maximum Load Capacity:

1 amp 120 VAC, 1 amp 24 VDC,

Minimum Load Capacity:

1 mA 120 VAC, 1 mA 24 VDC,

25 Watt Max. Contact Rating

Actuated by magnetic force

Mechanical life: 10,000,000 cycles

Operating Time: 3.0 mSec.

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: XL2E000 = UltraSwitch™ Explosion Proof enclosure with (2) Type E SPDT Sabre™ hermetically sealed switches.