

# Series 3000

## Solenoid Hold Down Switches 2PST-6PDT Pushbutton Switch

Illuminated



**ELECTRO-MECH**  
COMPONENTS



P/N W3947PD,L7121R

Electro-Mech Series 3000 Solenoid Hold Down Illuminated pushbutton switches offer added panel and system control flexibility in a combined reliable lighted PB switch (2PST to 6PDT), and electrically energized solenoid holding coil.

When the coil is energized, the switch will be held in the down position after being actuated. When the coil is de-energized, the switch returns to its relaxed position. When the coil is not energized, the switch functions as a momentary action switch. When external power is supplied to the solenoid coil, the switch can be remotely released.

Twenty-four standard models are available, in a variety of normally open (N.O.) and normally closed (N.C.) circuit configurations.

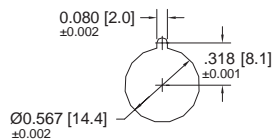
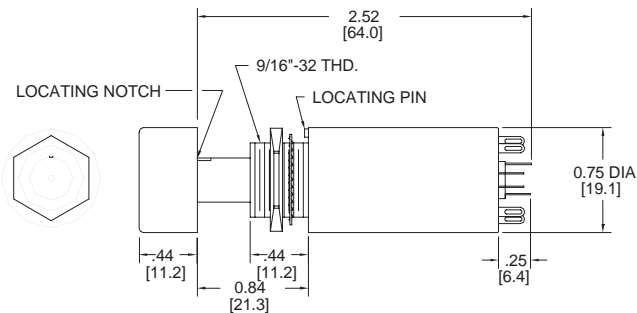
Double throw circuitry units are available 2PDT to 6PDT, with either 12vdc or 28vdc solenoid coils:

- 12vdc coil rated at 90mA, 133 ohms  $\pm$  10%
- 28vdc coil rated at 60mA, 500 ohms  $\pm$  10%

### Specifications:

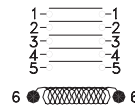
Ratings:	30 volts DC or 125 volts AC; 2.0A resistive, 0.5A inductive
Weight:	0.8 oz. (23 g) (approx.)
Operating Pressure:	32 oz. $\pm$ 16 oz. (908g $\pm$ 454g)
Plunger Travel:	0.187 approx. (4.7mm)
Actuations:	100,000 minimum
Contacts:	Silver plated
Terminals:	Standard EMC solder lug. Accepts two 20 AWG wires. PC pin terminals also available.
Lens:	Accommodates any standard EMC lens. See Single Lamp Lenses.
Lamp or LED:	Accommodates one T 1-3/4 (5mm) MFB lamp or LED. Lamp circuit is independent.

### Series 3000 (not to scale):



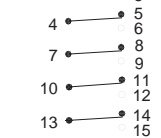
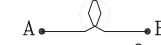
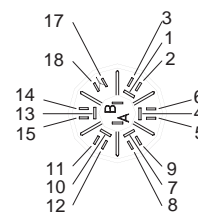
RECOMMENDED MOUNTING HOLE

#### 3PST-6PST SWITCHES



SCHEMATIC

#### 2PDT-6PDT SWITCHES



SCHEMATIC

electro-mech



www.electromechcomp.com

info@electromechcomp.com

1826 Floradale Avenue • South El Monte, CA 91733-3689 USA \* (626) 442-7180 \* (888) 442-7180 \* Fax (626) 350-8070

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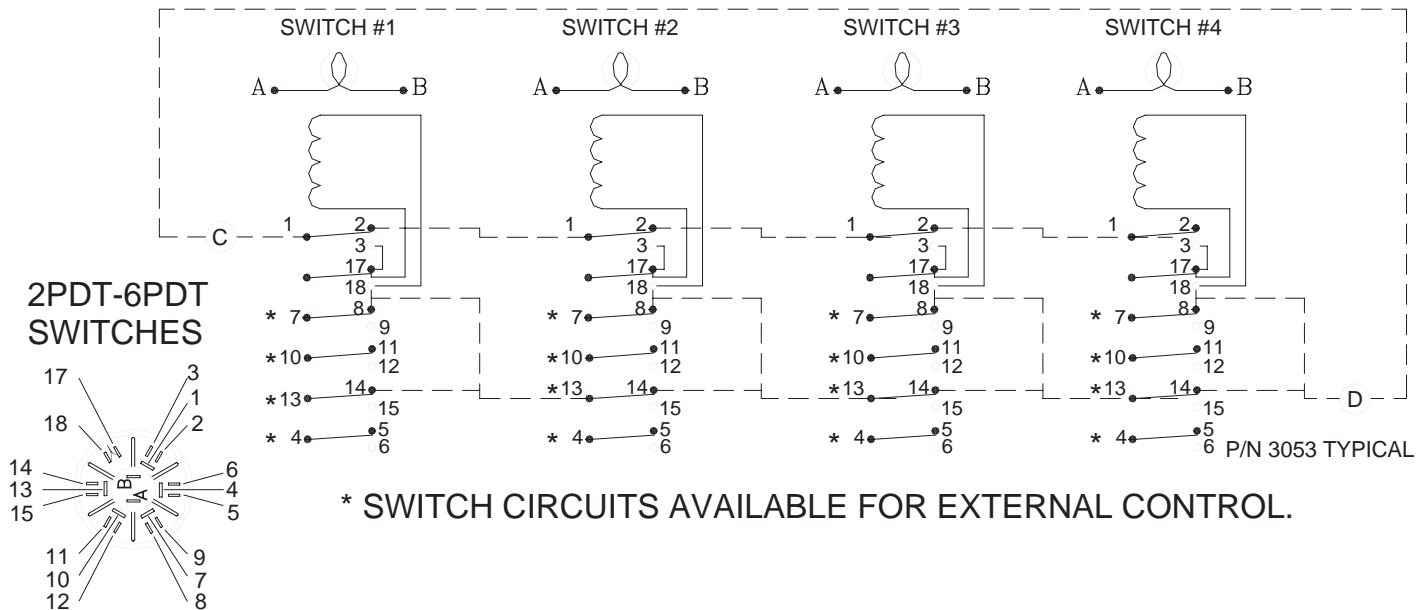
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### Bailing Circuit for Solenoid Hold Down Switches



#### Part Number Table

Part No.	Circuitry	28-30 Volt Coils	
3030	2PST	2NO	2 Form A
3031	2PST	2NC	2 Form B
3032	2PST	1NO,1NC	1 Form A, 1 Form B
3033	3PST	3NO	3 Form A
3034	3PST	3NC	3 Form B
3035	3PST	1NO,2NC	1 Form A, 2 Form B
3036	3PST	2NO,1NC	2 Form A, 1 Form B
3037	4PST	4NO	4 Form A
3038	4PST	4NC	4 Form B
3039	4PST	1NO,3NC	1 Form A, 3 Form B
3040	4PST	2NO,2NC	2 Form A, 2 Form B
3041	4PST	3NO,1NC	3 Form A, 1 Form B
3042	6PST	6NO	6 Form A
3043	6PST	6NC	6 Form B
3044	6PST	1NO,5NC	1 Form A, 6 Form B
3045	6PST	2NO,4NC	2 Form A, 5 Form B
3046	6PST	3NO,3NC	3 Form A, 3 Form B
3047	6PST	4NO,2NC	4 Form A, 2 Form B
3048	6PST	5NO,1NC	5 Form A, 1 Form B
3050	2PDT		2 Form C
3051	3PDT		3 Form C
3052	4PDT		4 Form C
3053	5PDT		5 Form C
3054	6PDT		6 Form C

♦ Any number of switches can be used requiring that only one switch be operated at a time, operating any switch releases any other switch.

♦ A switch may be installed in either or both points "C" and "D" to clear all switches.

♦ This circuit design offers a design advantage because no mechanical linkage system is required.

♦ Dashed lines indicate external wiring to switches.

**For 12-14 volt coils, specify modification code "AG" (e.g. 3050AG).**

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