

TOGGLE SWITCHES

General Purpose AC Only Bat Lever Switches 83000, 82600, 82612 And 82631 Series

Description

These AC Only toggle switches offer the widest selection of features available, providing the design flexibility needed to fill the requirements of a wide variety of applications. They are **two and three position** utility type switches for SPST through 4PDT circuits, maintained or momentary action. Bat lever is standard. Long, service-proved mechanical and electrical life make this line of switches a popular choice among specifying engineers.

Options Available

Baton lever is available for single pole and double pole switches only. To order, add suffix CL to Cat. No., then select lever color from the following, and add appropriate number as additional suffix to Cat. No.: Black - 1, White - 2, Red - 3, Green - 4, Gray - 5, Yellow - 6, Beige - 7.

Example: 82609PCL3 indicates a red baton lever.

Consult local sales office or factory for details on following modifications:

- Metal paddle levers
- Custom design levers
- Diagonal reversing jumpers
- .187" Quick-Connect terminals
- .110" Quick-Connect terminals (83000 Series only)
- Silicone rubber seal in bushing (single and double pole only)

Other hardware options available are listed on page 131.

Specifications

Ratings:

83000 Series:

- 6 Amperes, 125 Volts AC
- 3 Amperes, 250 Volts AC
- 1/6 Horsepower, 120-240 Volts AC

82600 Series:

- 15 Amperes, 125 Volts AC
- 10 Amperes, 250 Volts AC
- 3/4 Horsepower, 120-240 Volts AC

82612 Series:

- 16 Amperes, 125 Volts AC
- 10 Amperes, 250 Volts AC
- 1 Horsepower, 120 Volts AC, 1, 2 And 3 Phase

82631 Series:

- 10 Amperes, 250 Volts AC
- 1/2 Horsepower, 120-240 Volts AC, 2 And 3 Phase

Circuits:

SPST, SPDT, DPST, DPDT, 3PST, 3PDT, 4PST, 4PDT
Maintained And Momentary

Contact Mechanism:

Slow-Make/Slow-Break Butt Contact

Contact Material:

83000 Series:

- Movable - Copper
- Stationary - Copper Silver Plated

82600, 82612 And 82631 Series:

- Movable - Silver Buttons
- Stationary - Silver Buttons

Type of Termination:

Screw Terminals, Solder Lugs Or .250" Quick-Connect Terminals (See Selection Table)

Termination Material:

Screw And Quick-Connect Terminals - Brass
Solder Lugs - Brass Silver Plated

Mounting Means:

Slotted Bushing - .15/32" Dia., 32 Threads/Inch
Slot - .080"-.085" Wide x .040"-.047" Deep
Hardware Supplied - 1 Hex Nut And 1 Knurled Nut, Unassembled

Finish:

Bright Nickel Lever, Tin-Dipped Bushing And Hardware

Dielectric Withstand:

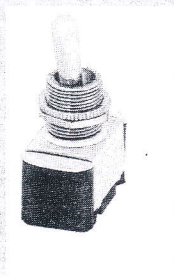
1,000 Volts RMS Minimum

Operating Temperature Range:

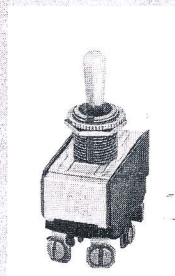
0°F to +150°F (-17.8°C to +65.6°C)

Agency Approvals:

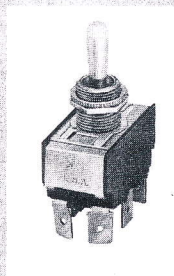
UL Listed
CSA Certified As Noted



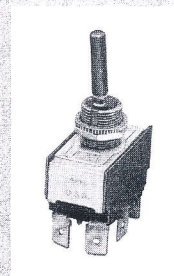
82600 SPST



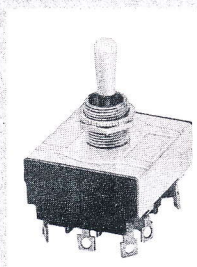
82608 DPDT



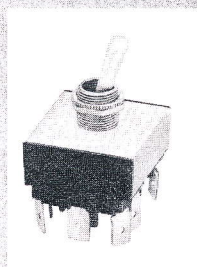
82609P DPDT



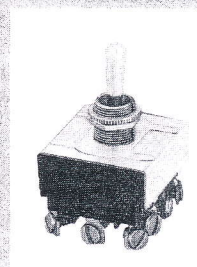
82611PCL4 DPDT



82615 3PDT



82617P 3PDT



82633 4PDT

Catalog Number Selection Table

Catalog Number Selection Table					Catalog Number				
Rating	Circuit	Action			Bushing Length		Type of Termination		
							Screw	Solder Lug	.250" Quick-Connect
		Lever Up	Lever Center	Lever Down (Keyway)	Inches	Milli-meters			
3000 Series — Bat Lever									
6A, 125V AC 3A, 250V AC 1/6HP, 120-240V AC	SPST	On	None	Off	.468	11,89	83000	83001	83002*
		Mom.On	None	Off	.468	11,89	83009	83010	83011*
		On	None	Mom.Off	.468	11,89	83012	83013	83014
	SPDT	On	Off	On	.468	11,89	83003	83004	83005
		On	None	On	.468	11,89	83006*	83007	83008
		Mom.On	None	On	.468	11,89	83015	83016	83017
		Mom.On	Off	On	.468	11,89	83018	83019	83020
		Mom.On	Off	Mom.On	.468	11,89	83021	83022	83023
	DPST	On	None	Off	.468	11,89	83024*	83025*	83026*
		On	None	Mom.Off	.468	11,89	83033	83034	83035
		Off	None	Mom.On	.468	11,89	83036	83037	83038
	DPDT	On	Off	On	.468	11,89	83027*	83028*	83029*
		On	None	On	.468	11,89	83030*	83031*	83032*
		On	None	Mom.On	.468	11,89	83039	83040	83041
		On	None	Mom.On	.468	11,89	83042	83043	83044
		On	Off	Mom.On	.468	11,89	83045	83046	83047
Mom.On		Off	Mom.On	.468	11,89				
82600 Series — Bat Lever									
15A, 125V AC 10A, 250V AC 3/4HP, 120-240V AC	SPST	On	None	Off	.468	11,89	82600*	82601*	82601P*
		On	None	Off	.468	11,89	82779SA+	—	—
		Mom.On	None	Off	.468	11,89	82720	82721	82721P
		Mom.On	Off	None	.468	11,89	82722	82723	82723P
	SPDT	On	Off	On	.468	11,89	82602*	82603*	82603P*
		On	None	On	.468	11,89	82604*	82605*	82605P*
		Mom.On	None	On	.468	11,89	82728	82729	82729P
		Mom.On	Off	On	.468	11,89	82724	82725	82725P
		Mom.On	Off	Mom.On	.468	11,89	82726	82727	82727P
	DPST	On	None	Off	.468	11,89	82606*	82607*	82607P*
		Off	None	Mom.On	.468	11,89	82730	82731	82731P
		On	None	Mom.Off	.468	11,89	82732	82733	82733P
	DPDT	On	Off	On	.468	11,89	82608*	82609*	82609P*
		On	None	On	.468	11,89	82610*	82611*	82611P*
		On	None	Mom.On	.468	11,89	82738	82739	82739P
		On	Off	Mom.On	.468	11,89	82734	82735	82735P
Mom.On	Off	Mom.On	.468	11,89	82736	82737	82737P		
82612 Series — Bat Lever									
16A, 125V AC 10A, 250V AC 1HP, 120V AC 1,2 & 3 Phase	3PST	On	None	Off	.468	11,89	82612*	82613*‡	82613P*‡
		Mom.On	None	Off	.468	11,89	82618	82619	82619P
	3PDT	On	Off	On	.468	11,89	82614	82615‡	82615P‡
		On	None	On	.468	11,89	82616*	82617*‡	82617P*‡
		On	Off	Mom.On	.468	11,89	82622	82623	82623P
		On	None	Mom.On	.468	11,89	82626	82627	82627P
		On	None	Mom.On	.468	11,89	82624	82625	82625P
		Mom.On	Off	Mom.On	.468	11,89			
82631 Series — Bat Lever									
10A, 250V AC 1/2HP, 120-240V AC 2 & 3 Phase	4PST	On	None	Off	.468	11,89	82631	82632	82632P
		Mom.On	None	Off	.468	11,89	82637	82638	82638P
	4PDT	On	Off	On	.468	11,89	82633	82634	82634P
		On	None	On	.468	11,89	82635	82636	82636P*
		On	Off	Mom.On	.468	11,89	82641	82642	82642P
		On	None	Mom.On	.468	11,89	82645	82646	82646P
		On	None	Mom.On	.468	11,89	82643	82644	82644P
		Mom.On	Off	Mom.On	.468	11,89			

* CSA Certified.

+ UL Listed at 20A, 125V AC; 10A, 250V AC; 1 HP, 120-240V AC.

‡ Also rated 1HP, 240-480V AC 1 or 2 Phase; and 1HP, 240-600V AC 3 Phase.