

MINIATURE PUSHBUTTONS



Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	30 Watts	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-416	35-416-BU	1	On Off	SPDT	N/R	250mA	0.391"	0.110"	Red	RB	Sd Eyelet	0.469"	LN, LW	I-27 A
35-418	35-418-BU	2	On (Off)	SPDT	N/R	250mA	0.391"	0.110"	Black	RB	Sd Eyelet	0.469"	LN, LW	I-27 A
35-3460	35-3460-BU	3	On Off	SPST	6††		1.100"	0.360"	Brass	CB	6" WL	0.375"	N, KN	I-27 B
35-852	35-852-BU	4	On Off	SPST	6††		0.375"	0.344"	Black	CB	6" WL	0.375"	N, KN	I-27 C

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-491	35-491-BU	5	On On	DPDT	0.50**	0.20		0.406"	Black	RmB	PCB/Sd Eye		N, LN	I-27 D

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	30 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-475	35-475-BU	6	(On) Off	NO SPST	0.50	0.50	0.260"	0.500"	Red	RB	†††	0.500"	N, LN	I-27 E
35-476	35-476-BU	7	Off (On)	NO SPST	0.50		0.260"	0.500"	Black	RB	†††	0.500"	N, LN	I-27 E
35-3471	35-3471-BU	8	On (Off)	NO SPST	***		0.374"	0.244"	White	RB	Sc	0.500"	N, LW	I-27 F

Notes: (On)/(Off) = Momentary On/Off
 **Rated @100VAC
 ***Rated 2Amps @120VAC, 1A 277 VAC

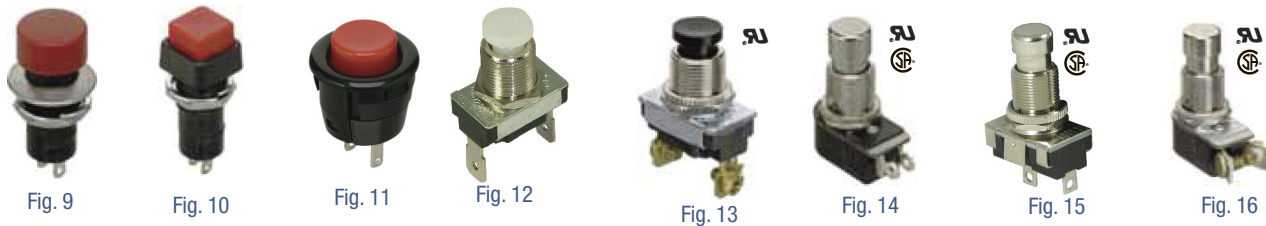
†† = 3@250V AC
 ††† = 6.3mm Tab w/Eyelet
 35-491 is momentary on if the pin is removed
 CB = Canopy Button
 KN = Knurled Nut
 LN = Lock Nut

LW = Lock Washer
 N = Nut(s)
 NC = Normally Closed
 NO = Normally Open
 N/R = Not Rated

PCB = Printed Circuit Board
 RB = Round Button
 RmB = Removable Button

Sc = Screw
 Sd = Solder

STANDARD PUSHBUTTONS



Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-420	35-420-BU	9	Off (On)	NO SPST		3	0.276"	0.354"	Red Plastic	Chrm. Ring	Sd Eyelet	0.500"	N, W	I-27 G
35-421	35-421-BU	10	Off (On)	NO SPST		3	0.390"	0.244"	Red Plastic	Black Square	Sd Eyelet	0.500"	N, W	I-27 H
35-422	35-422-BU	9	On Off	SPST		3	0.276"	0.354"	White Plastic	Chrm. Ring	Sd Eyelet	0.500"	N, W	I-27 G
35-423	35-423-BU	11	Off (On)	NO SPST	3	N/R	Snap-in	0.125"	Red Plastic	Black	Sd Eyelet	0.687"		I-27 I
35-3456	35-3456-BU	12	(On) Off	SPST	6	3	0.500"	0.212"	White		Q.C.	0.500"	N, KN	I-27 J
35-3457	35-3457-BU	13	Off (On)	NO SPST	6**	3**	0.500"	0.212"	Black Plastic		Sc	0.500"	N, KN, Sc	I-27 J
35-3458	35-3458-BU	13	(Off) On	NC SPST	***	***	0.490"	0.200"	Red Plastic		Sc	0.500"	N, KN, Sc	I-27 K
35-430	35-430-BU	14	Off (On)	NO SPST	6	3	0.562"	0.437"	Chrm. Metal		Sd Eyelet	0.500"	N, KN	I-27 L
35-432	35-432-BU	14	On (Off)	NC SPST	6	3	0.562"	0.437"	Chrm. Metal		Sd Eyelet	0.500"	N, KN	I-27 L
35-448	35-448-BU	15	On Off	SPST	6	3	0.561"	0.415"	Chrm. Metal		Sd Eyelet	0.500"	N, KN	I-27 L
35-449	35-449-BU	16	On Off	SPST	6	3	0.561"	0.437"	Chrm. Metal		Sc	0.500"	N, KN	I-27 M

Notes: (On)/(Off)/(SPDT) = Momentary Action
 *Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;
 **Rated 6Amps @120VAC/3Amps @240VAC
 ***Rated 3Amps @120VAC/1.5Amps @277VAC
 ****Rated 25/15Amps @6/12VDC

† = Rated 1/2 HP @250VDC
 Chrm. = Chrome
 HP = Horse Power
 KN = Knurled Nut
 N = Nut(s)

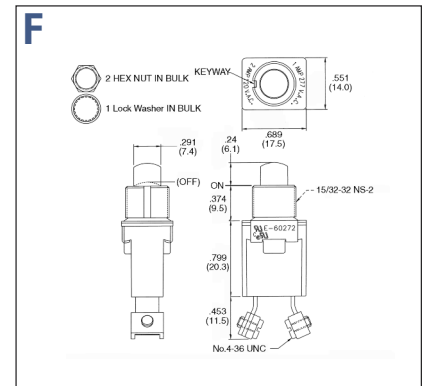
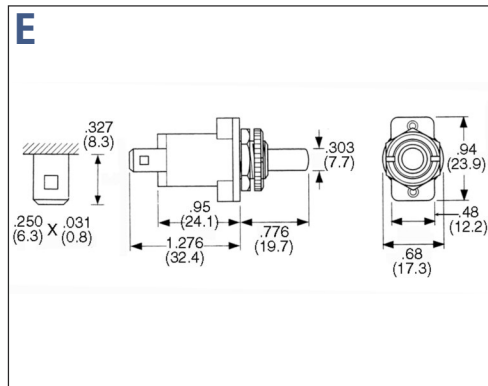
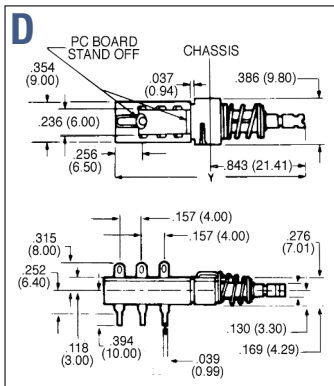
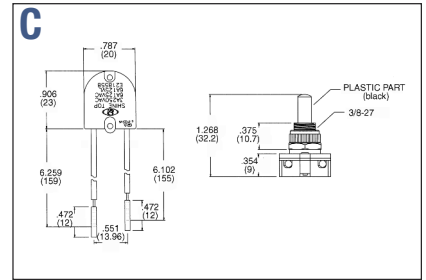
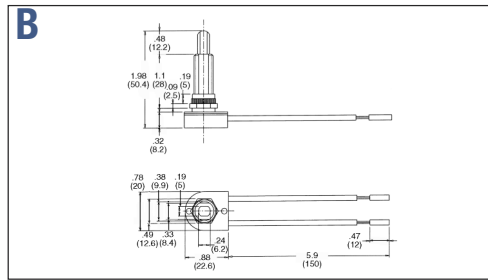
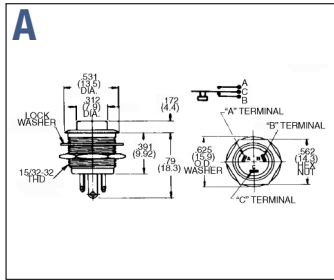
NC = Normally Closed
 NO = Normally Open
 N/R = Not Rated
 QC = Quick Connect
 Sc = Screw

Sd = Solder
 W = Washer
 WL = Wire Lead

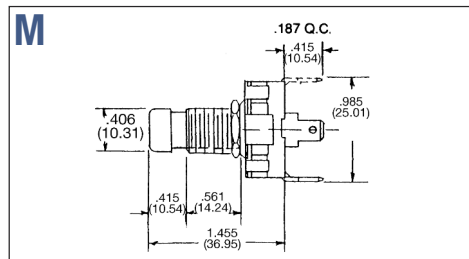
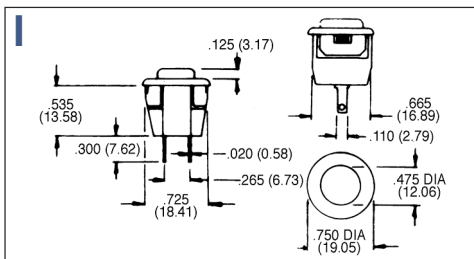
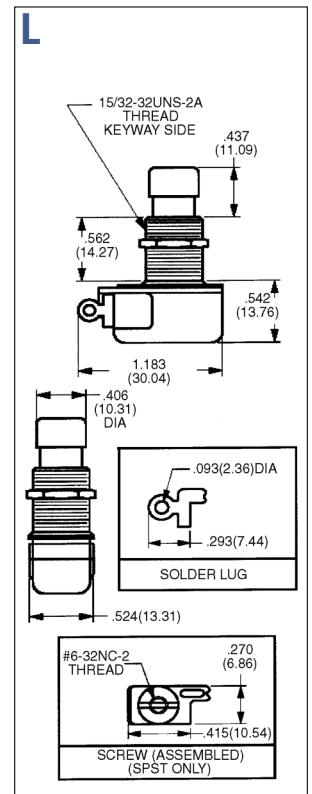
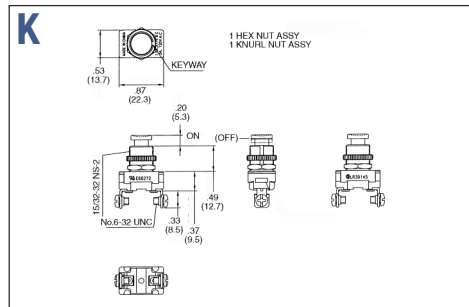
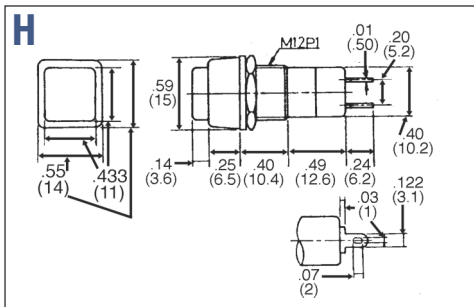
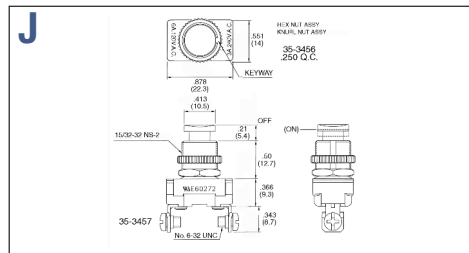
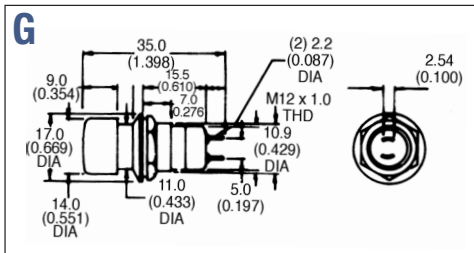
Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

All quantities are single; BU's are packages of 25 Unless otherwise noted.

MINIATURE PUSHBUTTONS (Cont.)



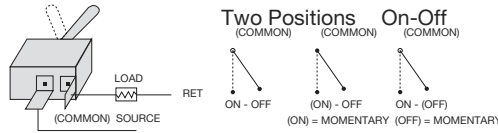
STANDARD PUSHBUTTONS (Cont.)



SWITCHES INFORMATION

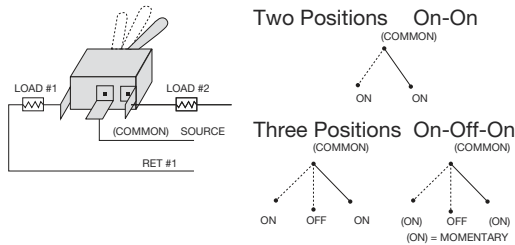
S.P.S.T. (Single Pole/ Single Throw)

A two terminal switch which opens or closes one circuit.



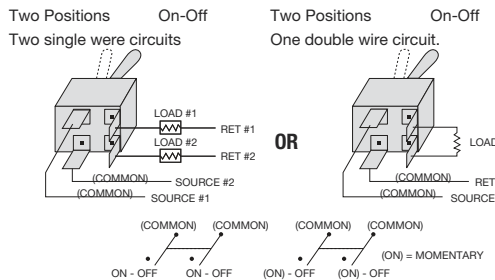
S.P.D.T. (Single Pole /Double Throw)

A three terminal switch that controls two single-wire circuits. Permits only one circuit to be energized at a time.



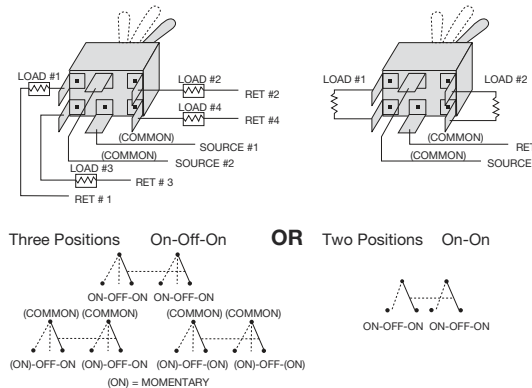
D.P.S.T.(Double Pole/Single Throw)

A four terminal switch that controls one double wire circuit or two single wire circuits.



D.P.D.T. (Double Pole/Double Throw)

A six terminal switch that controls two double wire circuits permitting only one circuit to be energized at a time, or four single wire circuits permitting only two circuits to be energized at a time.



ELECTRICAL TERMS

Ampere Electrical unit indicating rate of flow of electricity through a circuit.

Circuit Path taken by electrical current flowing through conductor from one terminal source of supply to another.

Current The movement of electrons through a conductor measured in amperes.

Double Pole A switch that operates simultaneously in two separate electric circuits.

Double Throw A switch that alternately completes a circuit at either end of its extreme positions.

Double Pole/Single Throw D.P.S.T. – A switch that has four terminals and is used to connect or disconnect two pairs of terminals simultaneously.

Double Pole/Double Throw D.P.D.T. – A switch that has six terminals and is used to connect one pair of terminals to either of the other two pairs.

Inductive Load Initial amps needed to engage a circuit and/or load which allows a momentary flow of current when a circuit is open. (Devices that create inductive loads are typically motor coils and solenoids.)

Lamp Load Light bulb current expressed in amps at a rated voltage.

Momentary Momentary action is obtained by holding switch in position with pressure. Upon release the switch returns to the previous position.

Reversing Reversing action is obtained by reversing the polarity of a switch with jumper wires or blades to change the rotation of a motor. Typical applications are winches, plows, radio antennas and fuel selector valves.

Single Pole A switch that opens, closes, or changes connection in a single conductor of an electrical circuit to a common contact.

Single Throw A switch that opens, closes, or completes a circuit at only one of the extreme positions of its actuator.

Single Pole/Single Throw S.P.S.T. – A two terminal switch which opens or closes one circuit.

Single Pole/Double Throw S.P.D.T. – A three terminal switch for connecting one terminal to either of two other terminal.

Volt The unit that measures the potential difference in electrical force or “pressure” between two points on a circuit.

Watt The unit of power that indicates the rate at which a device converts electric current to another form of energy, either heat or motion.

Service Tip

- Replacement switch must have same or higher rating as original switch.
- Unplug circuit or turn off power at electrical panel.
- Remove wires from old switch one-at-a-time and attach to new switch in same manner, or follow wiring diagram.
- For Screw Terminals – Twist stranded wire together. Loop wire clockwise around screw. Tighten securely.
- For Blade Terminals – Use Female push-on terminals. Crimp tightly on stranded wire. Make sure you have a snug fit.
- Turn on power.