

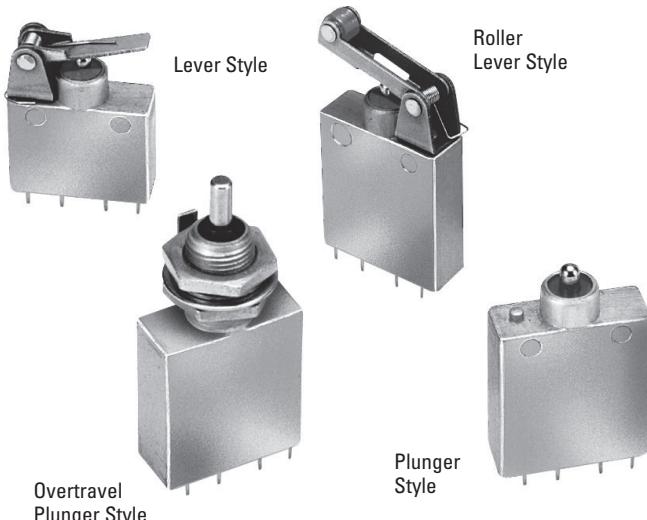
FEATURING OTTO B5 SERIES BASIC SWITCHES

These subminiature sealed switches are contained in a rugged aluminum housing with choice of lever, roller or plunger. Featuring the B5 series basic switch, the P6-3 series is able to switch up to 10 amps. The high contact pressure and superior wiping action of the OTTO design also makes the P6-3 series an excellent choice when switching logic level loads.

Sealing against water and other liquids is per MIL-PRF-8805. Wire leaded models feature potted leads. The solder terminals are epoxy sealed.

Features:

- Compact design
- Watertight to MIL-PRF-8805
- Choice of four actuator styles
- Choice of wire lead or solder termination styles
- Up to 10 amps switching capability
- High contact pressure
- Precision operating points



Your official representative



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Indicate. Control. Connect.

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Standard Characteristics/Ratings:

ELECTRICAL RATINGS:		Sea Level @ 28VDC		50,000 feet @ 28VDC					
Load	Single Circuit N.O. or N.C.	2 Circuit Per Pole	Single Circuit N.O. or N.C.	2 Circuit Per Pole					
Resistive	10A	10A	10A	10A					
Inductive	7.5A	5A	3.5A	2A					
Motor	4A	2A	N/A	N/A					
DWV	1000Vrms		500Vrms						
Electrical Life:	50,000 cycles								
Mechanical Life:	50,000 cycles								
OPERATIONAL:		P6-31	P6-32	P6-33	P6-34	P6-35	P6-36	P6-37	P6-38
Operating Force:	16 oz max	40 oz max	20 oz max	40 oz max	32 oz max	40 - 60 oz max	20 oz max	48 oz max	
Release Force:	4 oz min	8 oz min	4 oz min	8 oz min	4 oz min	24 oz min	4 oz min	8 oz min	
Movement Differential:	0.060" max	0.020"±0.010" max	0.060" max	0.020"±0.010" max	0.080" max	0.010" - 0.035" max	0.080" max	0.040" max	
Pretravel:	0.125" max	0.050" max	0.125" max	0.070" max	0.125" max	0.050" max	0.125" max	0.070" max	
Overtravel:	0.025" min	0.012" min	0.025" min	0.187" min	0.025" min	0.012" min	0.025" min	0.187" min	
Strength of Actuator:	10.0 lbs.	25.0 lbs.	10.0 lbs.	25.0 lbs.	10.0 lbs.	25.0 lbs.	10.0 lbs.	25.0 lbs.	
Temperature Range:	-55°C to +85°C								
Seal:	Enclosure Design 3, watertight per MIL-PRF-8805								
MATERIALS:									
Plunger:	Corrosion resistant steel								
Lever:	Corrosion resistant steel (where applicable)								
Mounting Hardware:	None provided except Actuator Style options 4 and 8 include hex nut, lockwasher and keyway washer								

SUBMINIATURE WATERTIGHT SEALED

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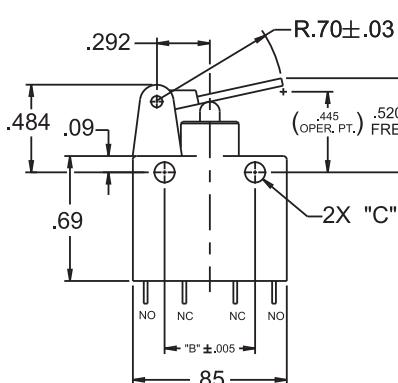
P6-3 PART NUMBER CODE

Single Pole

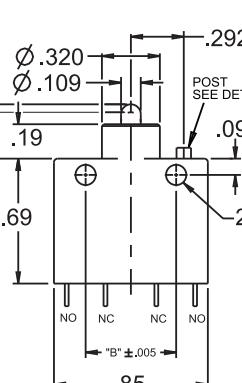
Actuator Style	Terminal Style	Circuitry	Mounting Holes (See drawing below.)	Serial Digit
1. Lever	1. Solder Terminals	1. SPNO-DB, Form X	1. No Holes	0, 0 Except for Specials
2. Plunger	3. 1' Potted Leads	2. SPNC-DB, Form Y	2. 1/2" Centers for #4-40 Screws	
3. Roller Lever	4. 3' Potted Leads	3. SPDT-SB, Form C	4. 3/8" Centers for #2-56 Screws	
4. Overtravel Plunger*	5. 6' Potted Leads	4. SPDT-DB, Form Z		

* No mounting holes are offered in models with threaded bushing

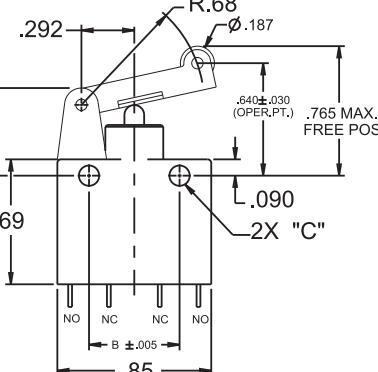
STYLE P6-31



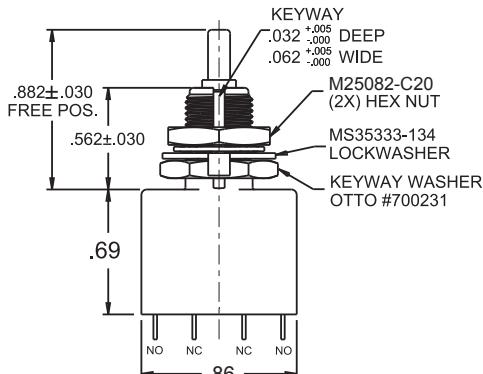
STYLE P6-32



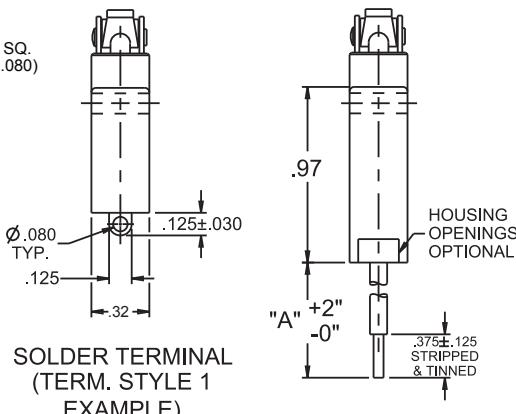
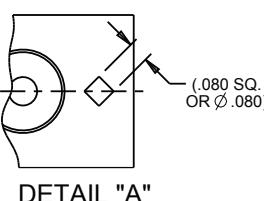
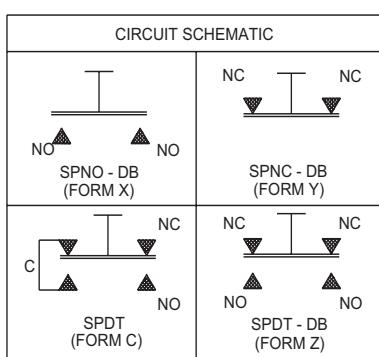
STYLE P6-33



STYLE P6-34*



*SWITCH WIDTH IS .39

POTTED WIRE LEADS
(TERM. STYLES 3, 4 & 5
EXAMPLE)

STYLE	DIM "A"	POTTED WIRE LEADS	
		MOUNTING HOLES:	DIM "B" CNTRS. DIA.
3	12"	CODE 2 FOR 4-40 SCREWS	.500 Ø.112 ± .003
4	36"	CODE 4 FOR 2-56 SCREWS	.375 Ø.089 ± .003
5	72"		

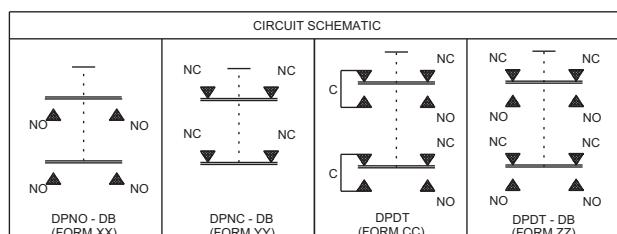
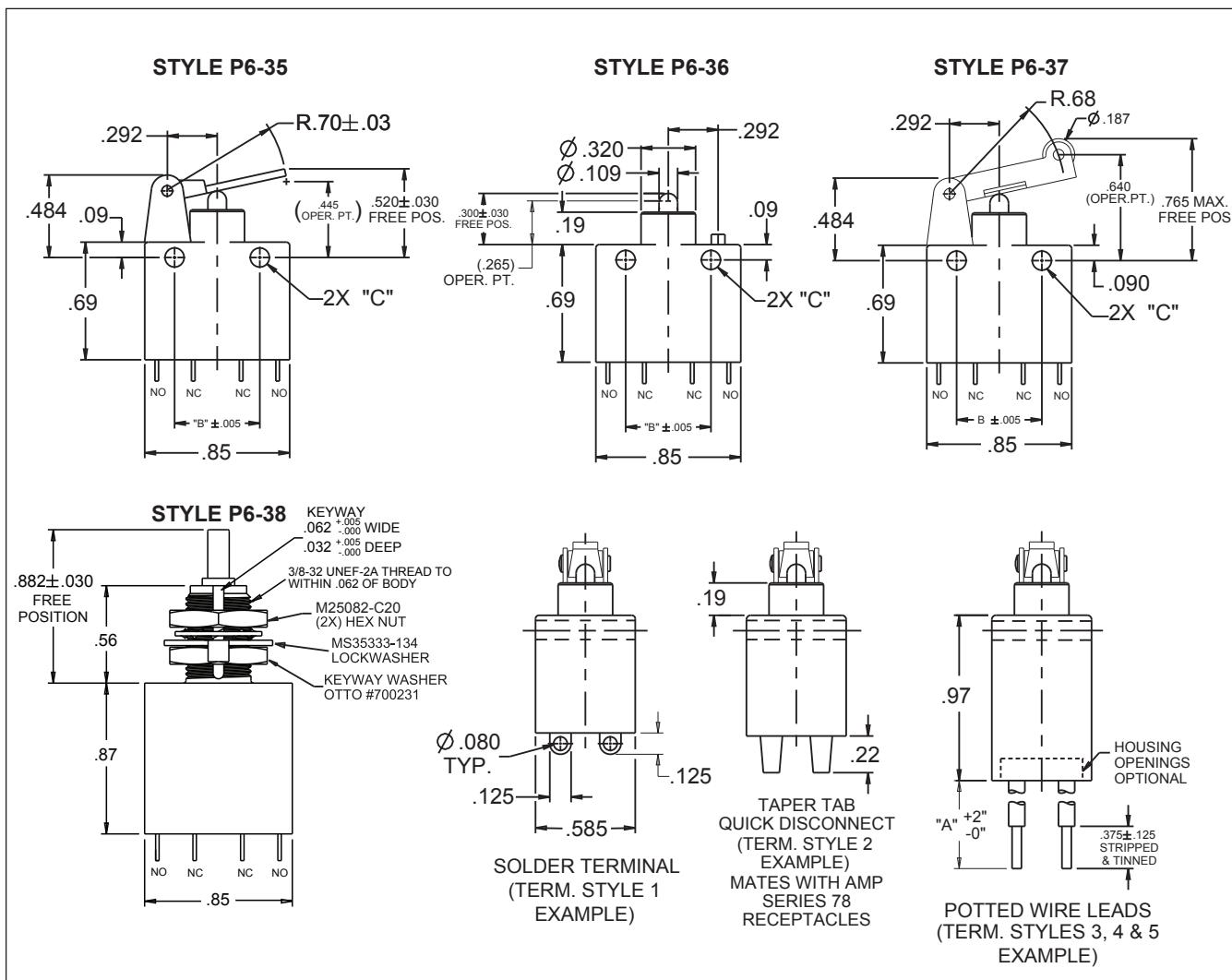
FEATURING OTTO B5 SERIES BASIC SWITCHES

P6-3 PART NUMBER CODE

Double Pole

P6-3	X	X	X	X	Serial Digit
Actuator Style	Terminal Style	Circuitry	Mounting Holes (See drawing below.)		
5. Lever	1. Solder Terminals	1. DPNO-DB, Form XX	1. No Holes		
6. Plunger	2. Taper Tab, Quick Disconnect	2. DPNC-DB, Form YY	2. 1/2" Centers for #4-40 Screws		
7. Roller Lever	3. 1' Potted Leads	3. DPDT, Form CC	4. 3/8" Centers for #2-56 Screws		
8. Overtravel Plunger*	4. 3' Potted Leads	4. DPDT-DB, Form ZZ			0, 0 Except for Specials
	5. 6' Potted Leads				

* No mounting holes are offered in models with threaded bushing



POTTED WIRE LEADS	DIM "A"	DIM "B" CNTRS. DIA.	
		MOUNTING HOLES:	
CODE 2 FOR 4-40 SCREWS	12"	.500	$\varnothing 0.112 \pm .003$
CODE 4 FOR 2-56 SCREWS	36"	.375	$\varnothing 0.089 \pm .003$
	72"		