

## Specifications

UL Electrical Ratings	<p>Evaluated to UL 61058-1</p> <p>1/2hp@125VAC/250VAC; T120, 10K cycles</p> <p>10.1A@277VAC resistive, T120, 10K cycles</p> <p>10.1A@125VAC inductive, T120, 10K cycles</p> <p>Evaluated to UL 1054</p> <p>16A@125VAC/250VAC resistive, T120, 6K cycles</p> <p>6A@125VAC/250VAC general purpose, T120, 6K cycles</p> <p>5A@125VAC inductive, T120, 6K cycles</p>
TÜV Electrical Ratings	16(6)@250VAC; 10K cycles T120; 50K cycles T85

Mechanical Life	10,000,000 cycles, typical
Contact Resistance	< 20m Ω initial
Actuation Forces	80gF, 110gF or 180gF
Dielectric Strength	1000Vrms min. @ sea level
Insulation Resistance	≥ 100MΩ min
Operating Temperature	-40°C to +120°C
Storage Temperature	-40°C to +120°C

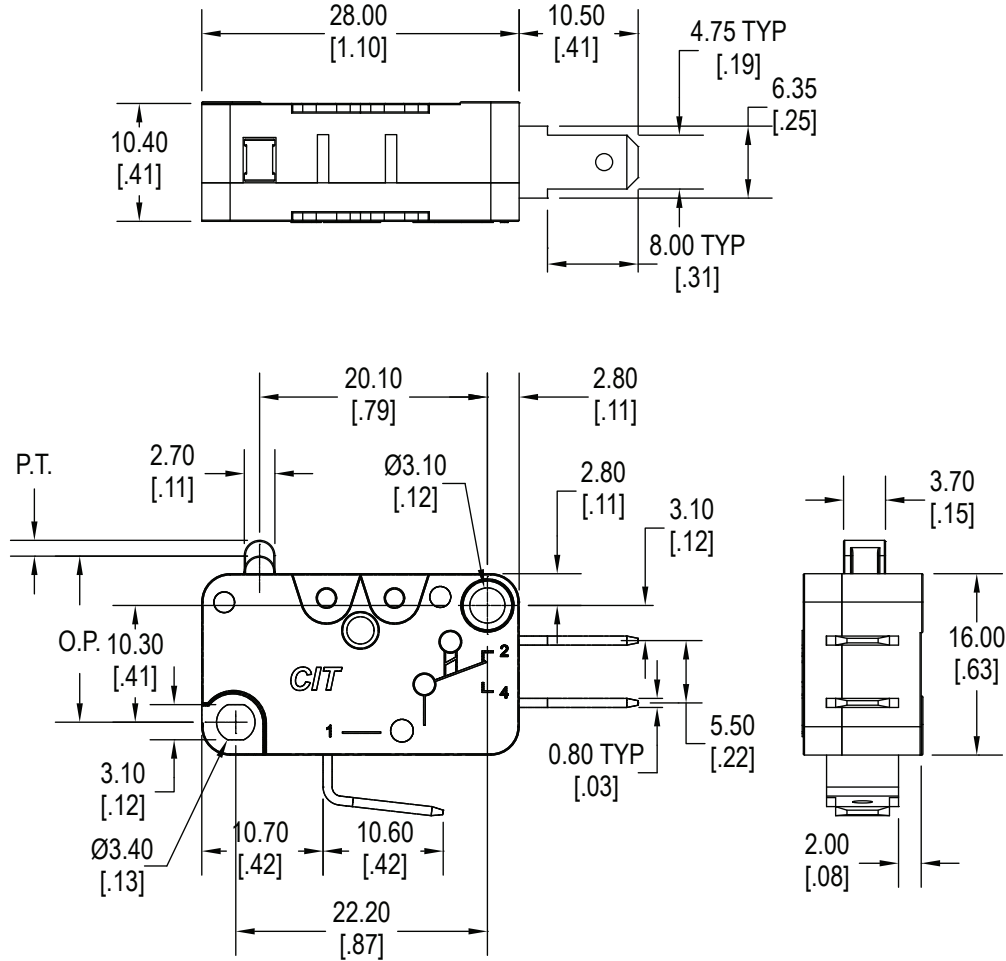
## Materials

Base / Cover	Polybutylene Terephthalate (PBT), UL94-V0
Pin Plunger	Polybutylene Terephthalate (PBT), UL94-V0
Contacts	Silver Alloy
Terminals	Copper Alloy, Silver Plated

## Ordering Information

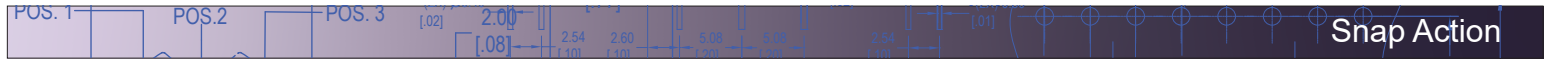
1. Series	VM3	C	Q	F080	1	L00
2. Circuit	<p>A = SPST NO</p> <p>B = SPST NC</p> <p>C = SPDT</p>					
3. Contact Material	Q = Silver					
4. Operating Force without lever **Contact factory for other force options	<p>F080 = 80gF</p> <p>F110 = 110gF</p> <p>F180 = 180gF</p>					
5. Termination	<p>1 = 0.250" Quick Connect</p> <p>2 = 0.187" Quick Connect</p>					
6. Actuator (Lever)	<p>L00 = Pin plunger</p> <p>L01 = Roller lever, standard</p> <p>L02 = Simulated roller</p> <p>L03 - Hinge lever, standard</p> <p>L04 = Hinge lever, short</p> <p>L06 = Roller lever, short</p> <p>L07 = Hinge lever, long</p>					

## Dimensions - Standard

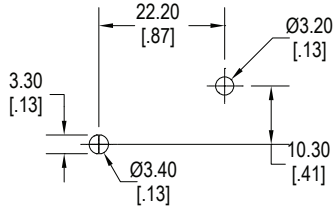


## Switch Characteristics

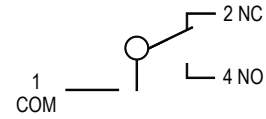
Actuators (Levers)	Operating Force - OF (grams)			Release Force - RF (grams)			Free Position (FP) all forces (mm)	Pre-Travel (PT) all forces max (mm)	Operating Position (OP) all forces (mm)	Over Travel (OT)	Movement Differential (MD) all forces max (mm)
	80gF	110gF	180gF	80gF	110gF	180gF					
L00	80±20	110±30	180±30	40±15	90±20	90±20	15.7	1.4	14.3	1.1	0.4
L01	40±15	55±20	80±20	20±10	60±20	60±20	22.3	3.7	18.6	2.5	0.7
L02	40±15	60±20	80±20	20±10	60±20	40±20	20.8	3.1	17.7	2.3	0.7
L03	35±10	50±20	70±20	18±8	50±20	50±20	17.3	3.3	14.0	2.3	0.6
L04	65±15	95±20	145±30	35±15	45±20	60±20	16.4	2.2	14.2	1.2	0.5
L06	80±20	100±20	180±30	40±15	70±20	80±20	21.8	1.9	19.9	1.2	0.4
L07	18±10	25±10	40±15	10±5	20±10	20±10	19.0	7.7	11.3	7.1	1.9



**Panel Mounting**

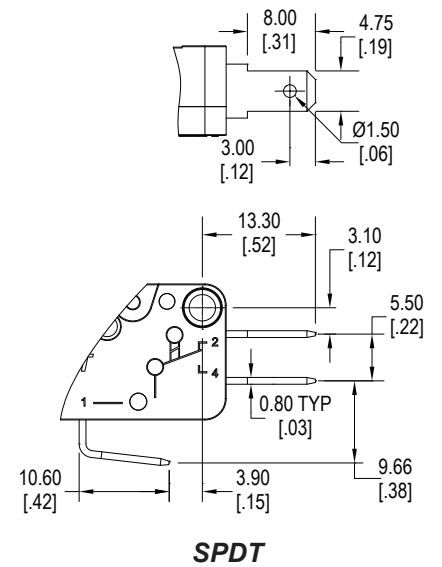
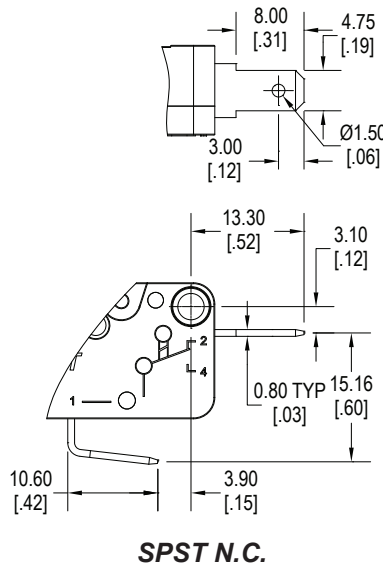
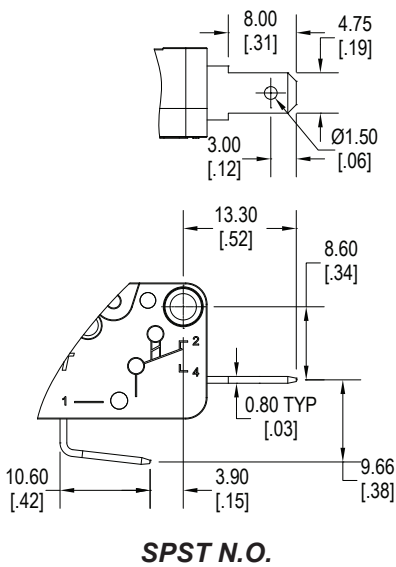


**Schematic**

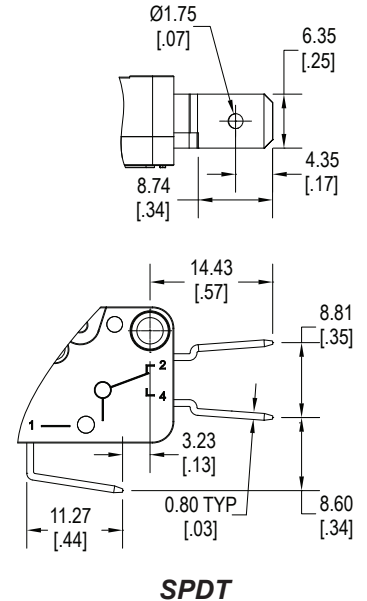
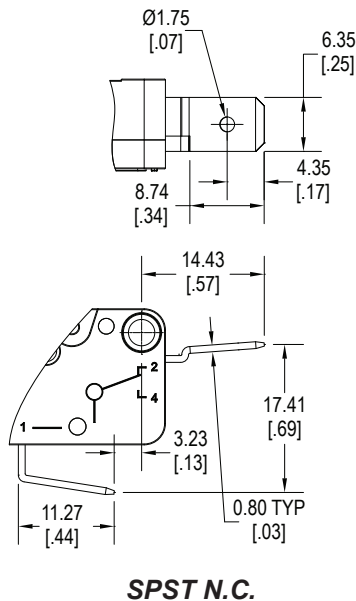
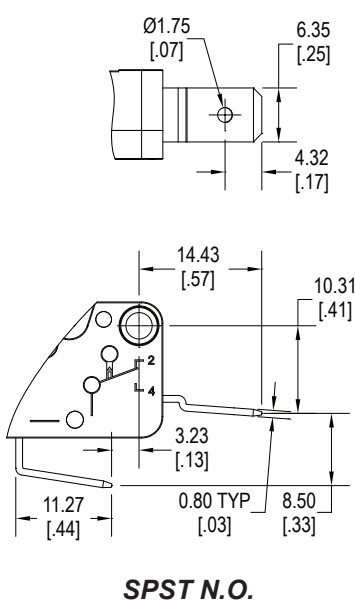


**Terminal Options**

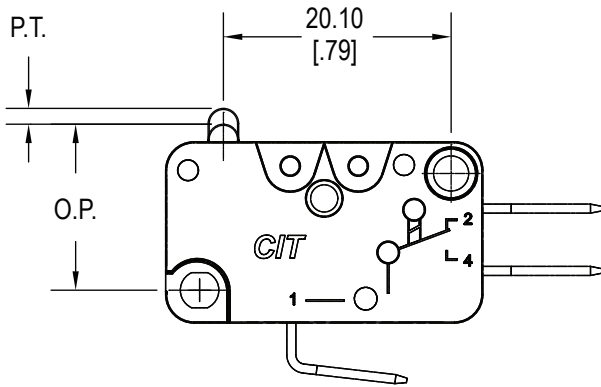
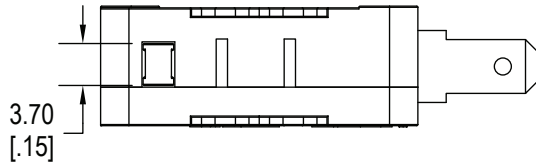
**.187" Quick Connect Terminals**



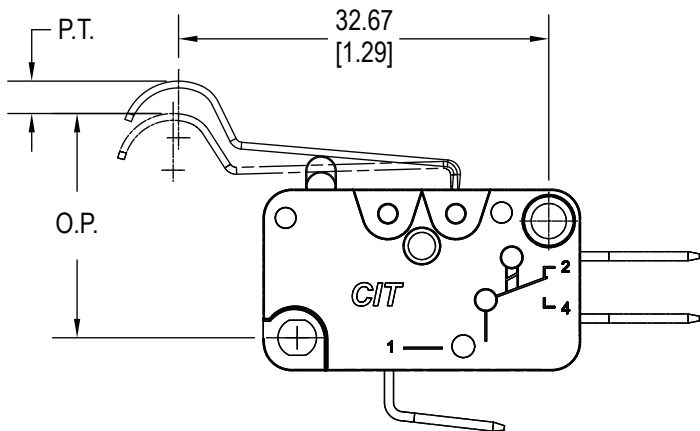
**.250" Quick Connect Terminals**



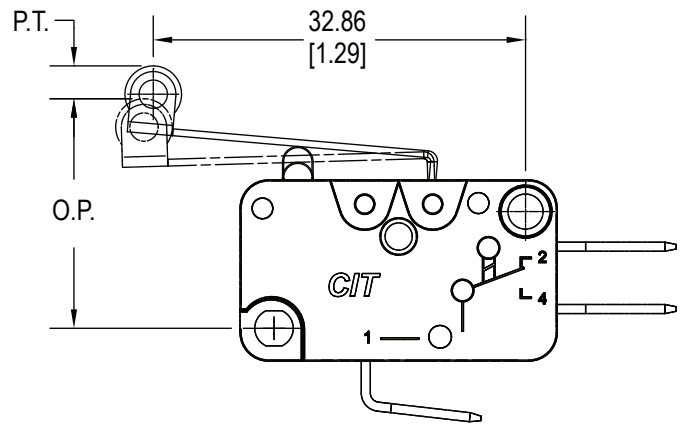
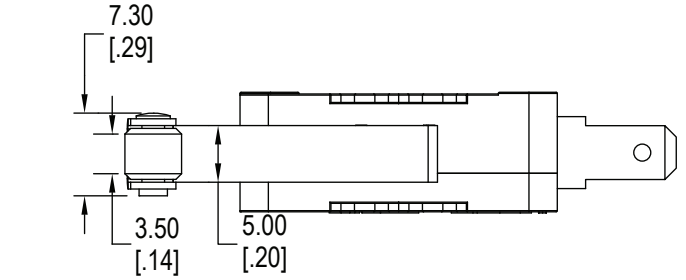
## Levers



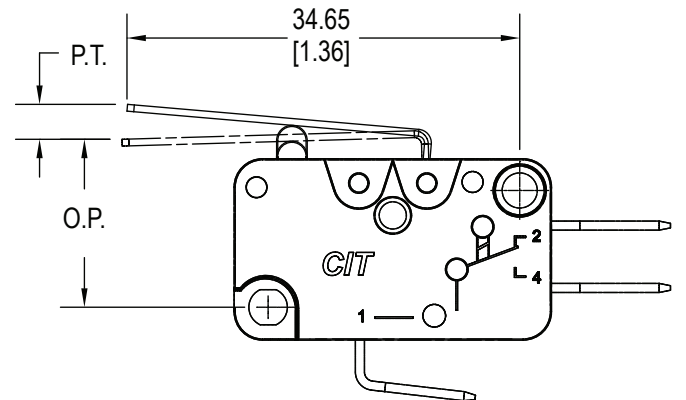
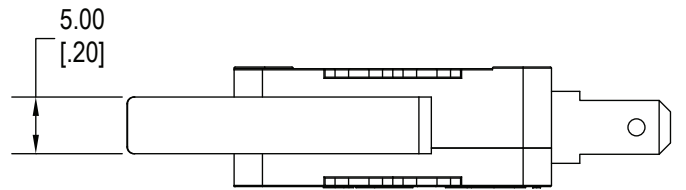
**L00**



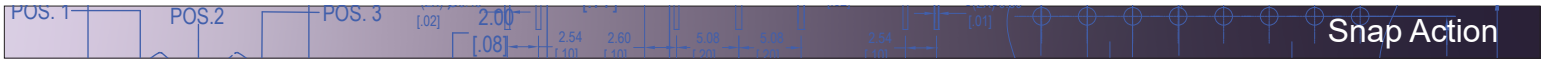
**L02**



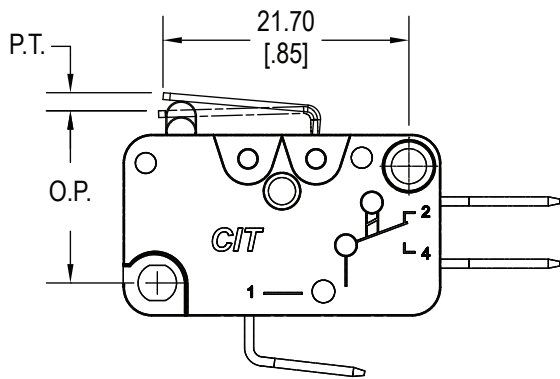
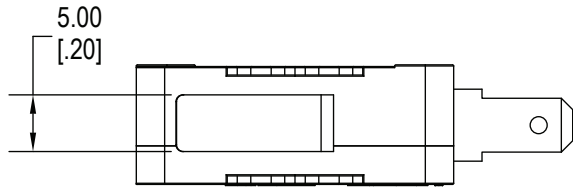
**L01**



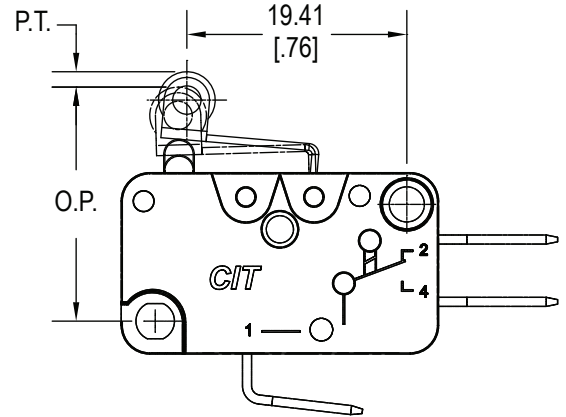
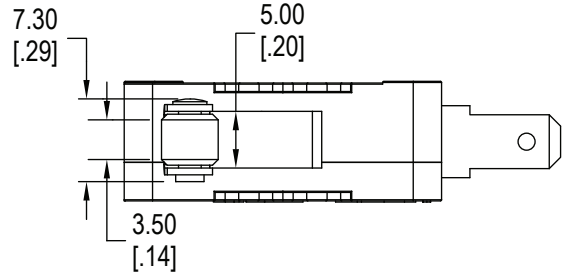
**L03**



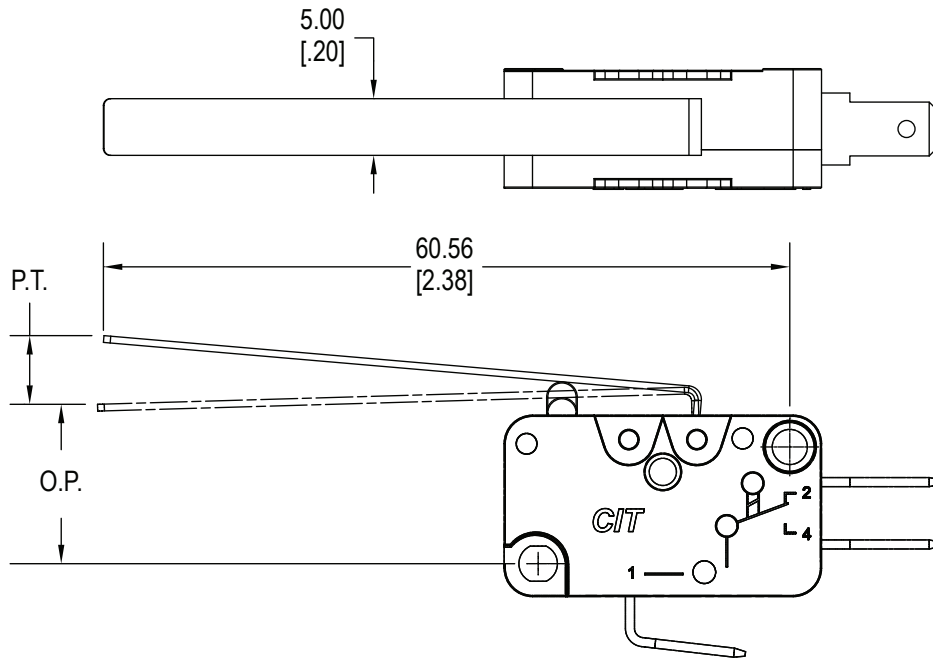
**Levers**



**L04**



**L06**



**L07**