



Specifications

| | |
|--------------------|------------------------------|
| Electrical Ratings | 16A @ 125VAC / 250VAC / T120 |
| | 6A @ 125VAC / 250VAC / T120 |
| | 5A @ 125VACL / T120 |
| Electrical Life | 100,000 cycles, typical |
| 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 |

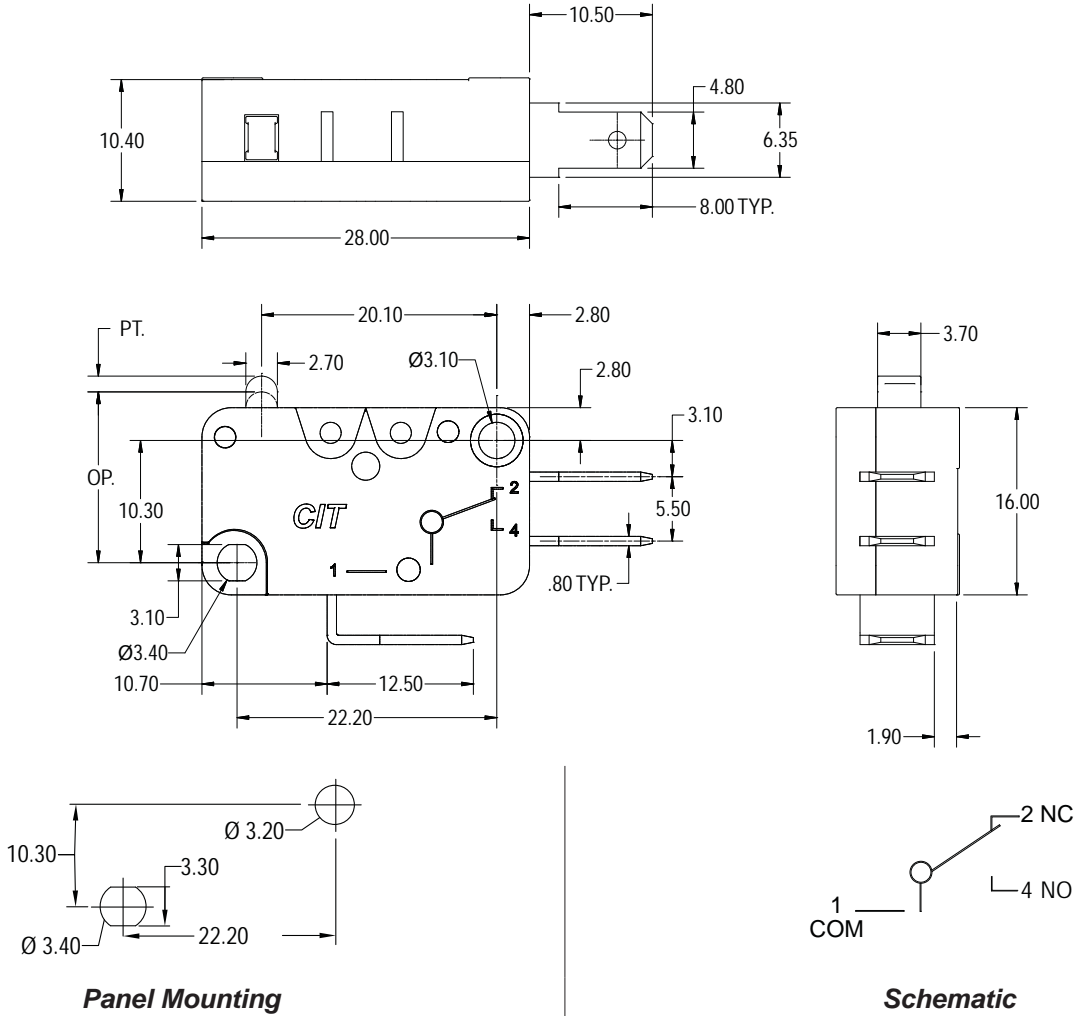
Ordering Information

| | | | | | | |
|--|--|---|---|------|---|-----|
| 1. Series | VM3 | C | Q | F080 | 1 | L00 |
| VM3 | | | | | | |
| 2. Circuit | <ul style="list-style-type: none"> A = SPST NO B = SPST NC C = SPDT | | | | | |
| 3. Electrical Rating | Q = Silver | | | | | |
| 4. Operating Force without lever **Contact factory for other force options | <ul style="list-style-type: none"> F080 = 80gF F110 = 110gF F180 = 180gF | | | | | |
| 5. Termination | <ul style="list-style-type: none"> 1 = 0.250" Quick Connect 2 = 0.187" Quick Connect | | | | | |
| 6. Actuator (Lever) | <ul style="list-style-type: none"> L00 = Pin plunger L01 = Roller lever, standard L02 = Simulated roller L03 = Hinge lever, standard L04 = Hinge lever, short L06 = Roller lever, short L07 = Hinge lever, long | | | | | |

VM3

Snap Action

Dimensions

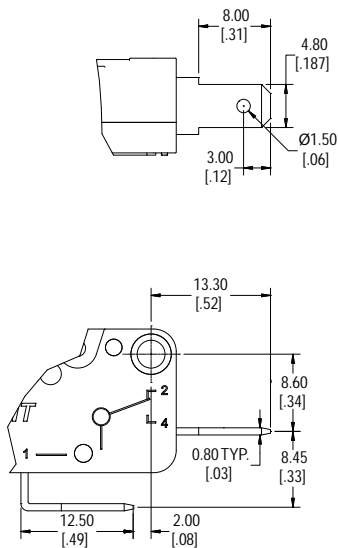


Switch Characteristics

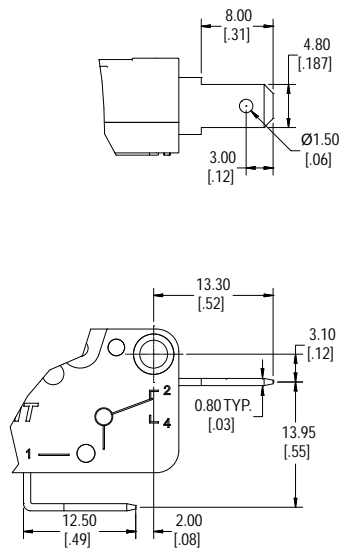
| Actuators (Levers) | Operating Force - OF (grams) | | | Release Force - RF (grams) | | | Free Position (FP) all forces (mm) | Pre-Travel (PT) all forces max (mm) | Operating Position (OP) all forces (mm) | Over Travel (OT) | Movement Differential (MD) all forces max (mm) |
|-----------------------|---------------------------------|--------|--------|-------------------------------|-------|-------|---|--|---|---------------------|--|
| | 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 |

Terminal Options

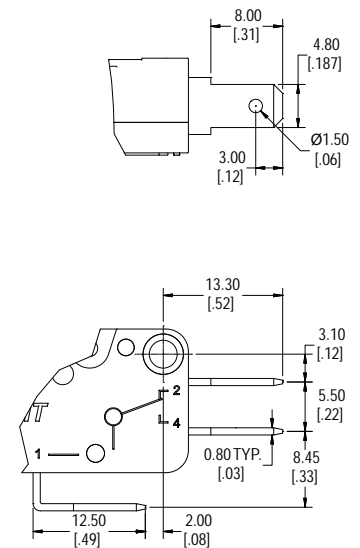
.187" Quick Connect Terminals



SPST N.O.

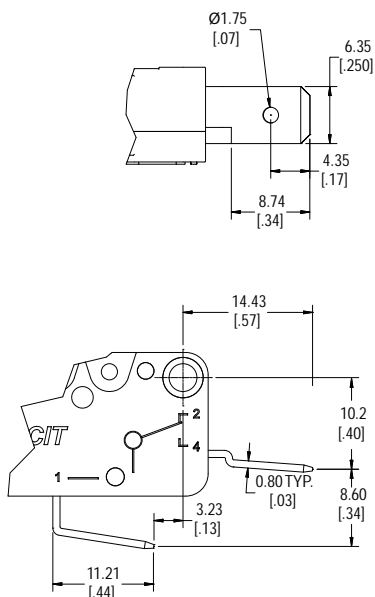


SPST N.C.

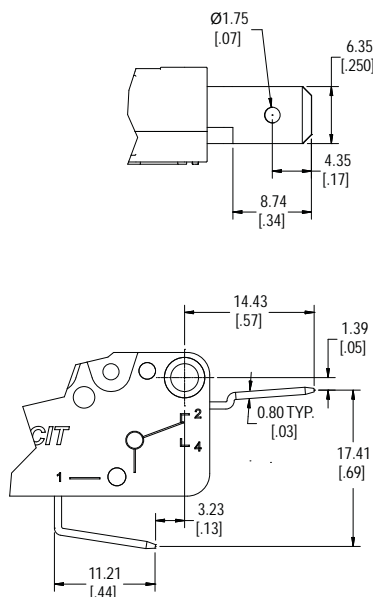


SPDT

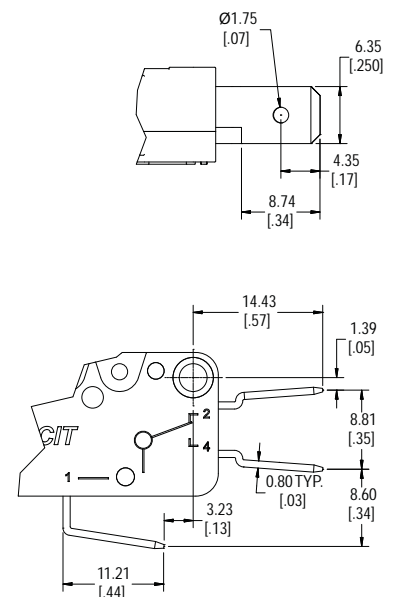
.250" Quick Connect Terminals



SPST N.O.



SPST N.C.

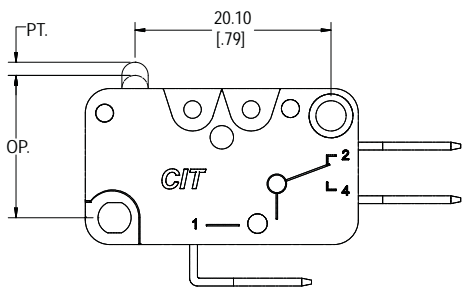
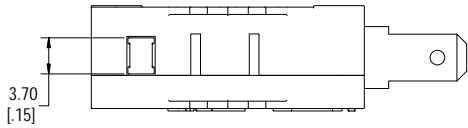


SPDT

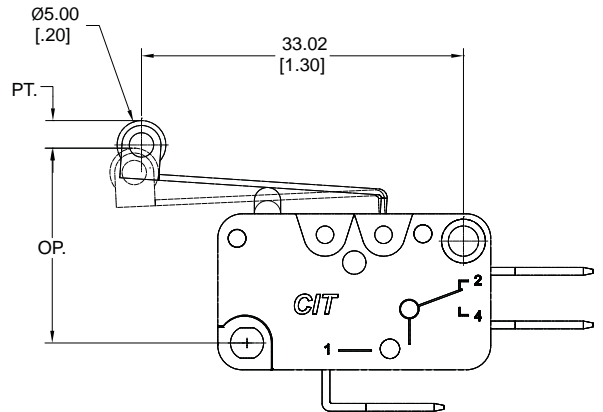
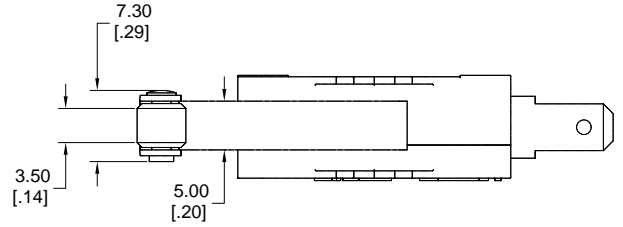
VM3

Snap Action

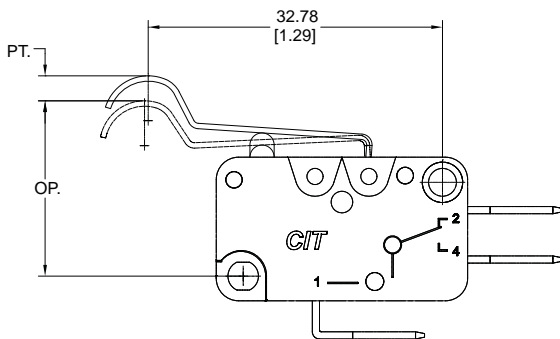
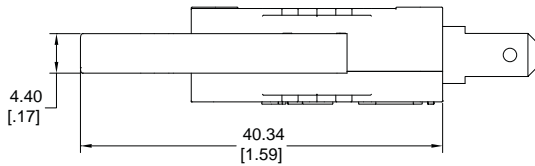
Levers



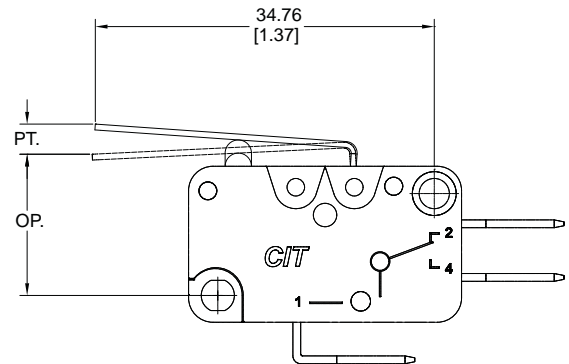
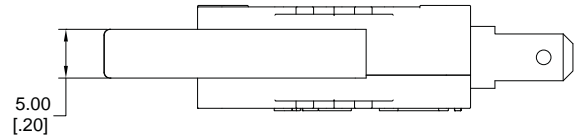
L00



L01

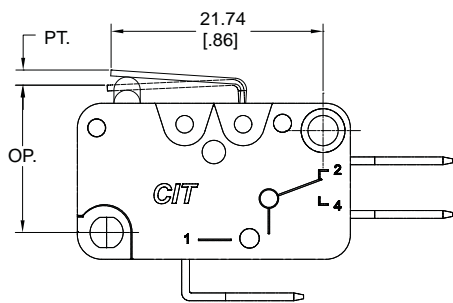
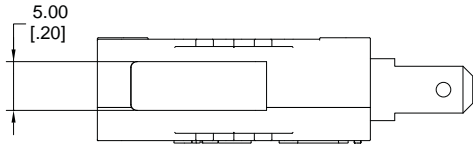


L02

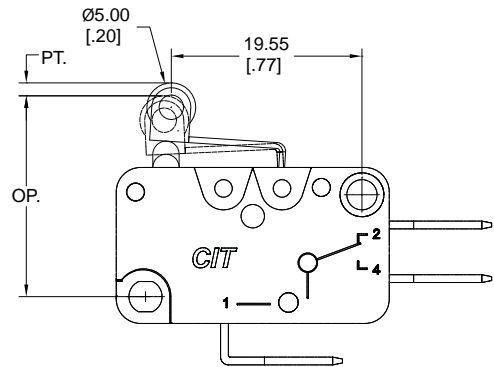
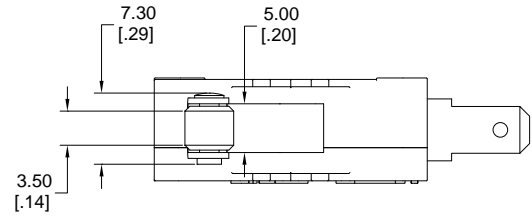


L03

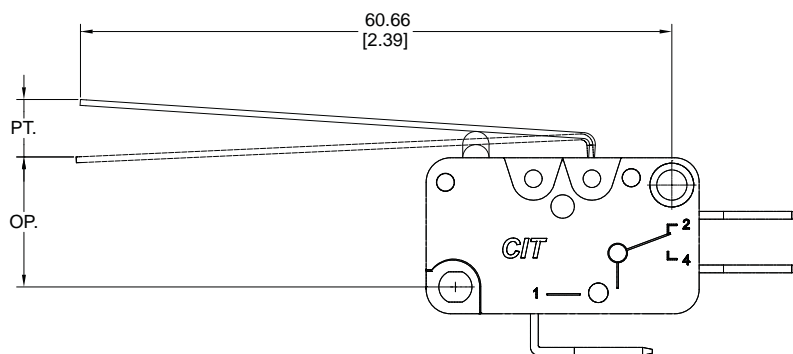
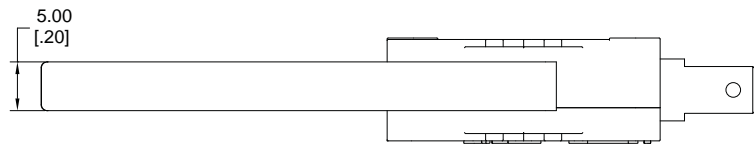
Levers



L04



L06



L07