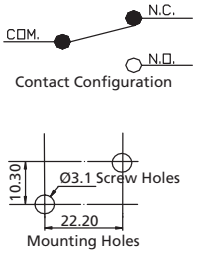
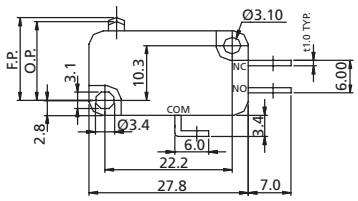
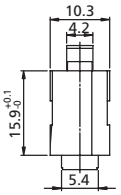
# Micro Switches up to 10A 125/250VAC

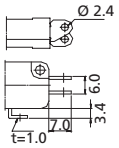
## MP3 Series



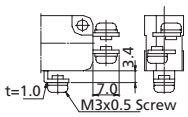



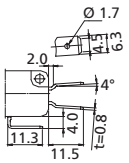

### TERMINAL TYPE



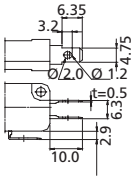

**D** Solder Terminal



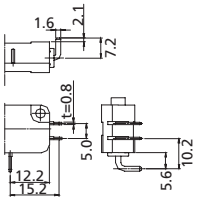

**C** Screw




**Q250** Quick Connect 250 Series

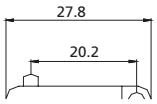



**Q187** Quick Connect 187 Series

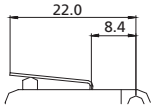



**H** P.C.B. Terminal

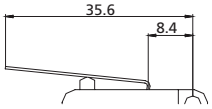
### HINGED TYPE (LEVER)



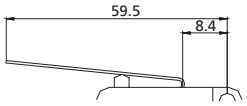

**00** Pin Plunger



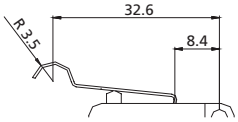

**01** Short



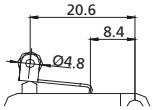

**02** Standard



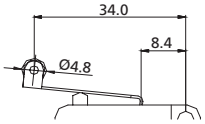

**03** Long



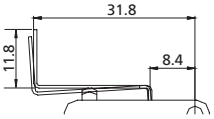

**04** Simulated




**05** Short Roller




**06** Standard Roller




**07** L Shape

### OPERATING FORCE

| Hinged Type | O.P. (mm) | P.T. max. (mm) | O.T. min. (mm) | M.D. max. (mm) | Operating Force max. (gf) | | | Release Force min. (gf) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L | N | H | L | N | H |
| 00 | 14.75±0.45 | 1.2 | 1.0 | 0.3 | 50 | 200 | 300 | 40 | 50 | 60 |
| 01 | 15.2±0.5 | 1.6 | 0.8 | 0.5 | 50 | 200 | 300 | 40 | 50 | 60 |
| 02 | 16±1.2 | 4.0 | 1.6 | 0.8 | 30 | 90 | 135 | 20 | 40 | 50 |
| 03 | 15.7±3.1 | 9.0 | 3.2 | 2.0 | 15 | 50 | 70 | 10 | 20 | 30 |
| 04 | 18.75±1.25 | 4.0 | 1.6 | 0.8 | 30 | 100 | 150 | 20 | 40 | 50 |
| 05 | 20.7±0.6 | 1.6 | 0.8 | 0.5 | 50 | 200 | 300 | 30 | 50 | 60 |
| 06 | 20.65±1.25 | 4.0 | 1.6 | 0.8 | 30 | 90 | 135 | 20 | 40 | 50 |

O.P. (Operation Position): The position of the actuator at which the contact snap to the operated contact position
F.P. (Free Position): The initial position on the actuator when there is no external force applied
P.T. (Pretravel): The distance or angle through which the actuator moves from the F.P. to the O.P.
O.T. (Over Travel): The distance or angle of the actuator movement beyond the O.P.
R.P. (Releasing Position): The position of the actuator at which the contacts snap from the operated contact position to their normal position
M.D. (Movement Differential): The distance or angle from O.P. to R.P.

## How to order:

MP3 [1] [2] [3] [4] [5]

**1 CURRENT RATING:**
- R1 0.1A 48VDC
- R2 5A 125/250VAC
- R3 10A 125/250VAC

**2 TERMINAL (See above drawings):**
- D Solder Lug
- C Screw
- Q250 Quick Connect 250 Series
- Q187 Quick Connect 187 Series
- H P.C.B. Terminal

**3 HINGED TYPE (See above drawings):**
- 00 Pin Plunger
- 01 Short Hinge Lever
- 02 Standard Hinge Lever
- 03 Long Hinge Lever
- 04 Simulated Hinge Lever
- 05 Short Roller Hinge Lever
- 06 Standard Roller Hinge Lever
- 07 L Shape Hinge Lever

**4 OPERATING FORCE (See above shedule):**
- L Lower Force
- N Standard Force
- H Higher Force

**5 CIRCUIT**
- 2 S.P.D.T.
- 1C S.P.S.T. (NC.)
- 1O S.P.S.T. (NO.)

## General Specifications:

**FEATURES**
» Long Life spring mechanism
» Large over travel

**MATERIAL**
» Stationary Contact: AgNi (5A/10A)
Brass copper (0.1A)
» Movable Contact: AgNi
» Terminals: Brass Copper

**MECHANICAL**
» Type of Actuation: Momentary
» Mechanical Life: 300,000 operations min.
» Operating Temperature: -40°C to +105°C

**ELECTRICAL**
» Electrical Life: 10,000 operations min.
» Initial Contact Resistance: 50mΩ max.
» Insulation Resistance: 100MΩ min.