

MICRO SWITCHES



V3 SERIES

(Full-Disconnection – Gap > 3mm)

SPECIFICATIONS

Contact Resistance(initial)

Max. 30 mΩ

Measured by ohm meter - open voltage < 1VDC, driver current -100 mA

Insulation Resistance (at 500 VDC / minute)

Min. 100 MΩ

Dielectric Strength

Min. 1500VAC(50-60HZ)/minute between Live parts.

Min. 1500VAC(50-60HZ)/minute between Live parts and dead metal parts

Operating Temperature Range

-40°C to 125°C (with no icing)

Vibration

10~55Hz, displacement 0.75 mm (p-p)

Electrical Service Life

All rating - Min. 10,000 operations

Electrical Operating Frequency

All rating 10~30 operations per minute

Mechanical Service Life

Min. 5,000,000 operations

Mechanical Operating Frequency

120 operations per minute

Operating application of the switch

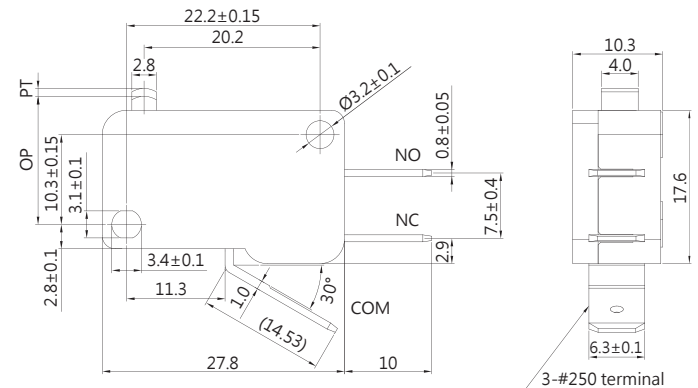
Set the switch pushing distance from 60% to 90% of the specified OT value

APPLICATIONS

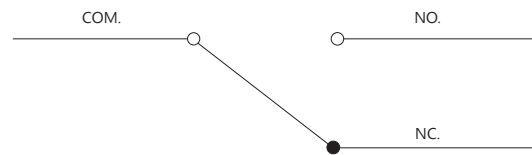
Joystick, TV Game, Time Recorder, Air Conditioner, Food Processor, Juice Maker, Alarm, Mixer, Shredder Machine, Power Tool

DIMENSIONS

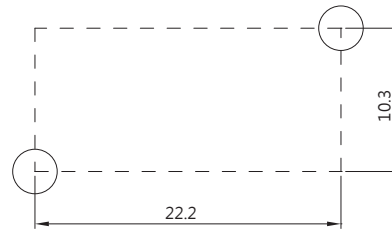
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



CONTACT CONFIGURATION



MOUNTING HOLES



CERTIFICATE INFORMATION

| Model Name | UL, cUL | ENEC |
|------------|-----------------------------|---|
| V3-10 | 10RA 125/250 VAC T125 1E4 | 10(4)A 125/250VAC T125 1E4 |
| V3-16 | 16RA 125/250 VAC T125 1E4 | 16(4)A 125/250VAC T125 1E4 |
| V3-20 | 20RA 125/250 VAC T125 1E4 | 20.1A 125/250VAC T125 1E4 10.1(8)A 125/250VAC T125 1E4 |
| V3-25 | 25.1RA 125/250 VAC T125 1E4 | 25.1A 125/250VAC T125 1E4 10.1(8)A 125/250VAC T125 1E4 |

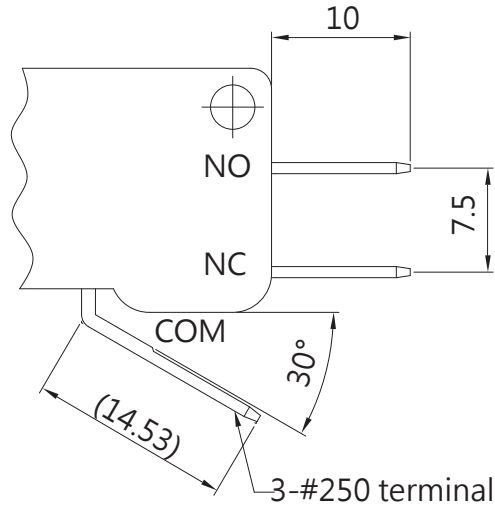
THE SELECTION OF RATING & FORCE

| MODEL | RATING | H G |
|-------|------------|--------|
| V3 | 10A 10(4)A | * |
| | 16A 16(4)A | * |
| | 20A 20.1A | * |
| | 25A 25.1A | * |
| | 10.1(8)A | * |

NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

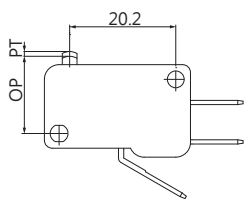
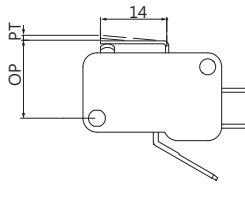
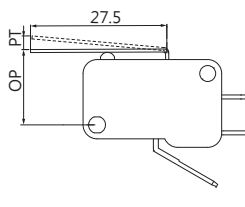
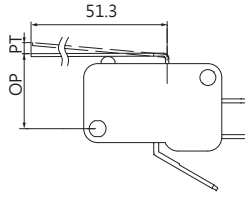
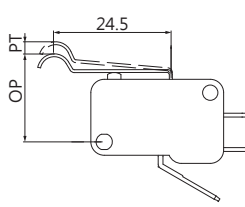
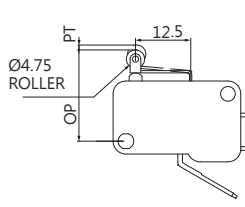
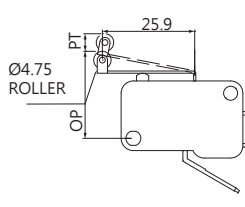
K TYPE



ORDERING INFORMATION

| | | | | | | |
|---------------|---------------------|-----------------|---------------|-----------------|---------------------|-----------|
| V 3 | 1 0 | H | 0 1 | K | C | Z |
| SERIES PREFIX | RATING CURRENT | OPERATING FORCE | ACTUATOR TYPE | TERMINAL TYPE | CIRCUIT ARRANGEMENT | ROHS CODE |
| | 10 10A 125/250VAC | H | 00 | K 250 SERIES(K) | C S.P.D.T. | |
| | 16 16A 125/250VAC | | 01 | | D S.P.S.T. NO | |
| | 20 20A 125/250VAC | G | 02 | | E S.P.S.T. NC | |
| | 25 25.1A 125/250VAC | | 03 | | | |
| | | | 04 | | | |
| | | | 05 | | | |
| | | | 06 | | | |

OPERATING CHARACTERISTICS

| SWITCH TYPE | PART SUFFIX | OF Max. | | OP (mm) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) |
|-------------------|---|---------|-----|-----------|--------------|--------------|--------------|
| | | | | | | | |
| V3- □□□ -00 □□ -Z |  | H | 842 | 14.4± 0.5 | 1.90 | 0.70 | 1.20 |
| | | G | - | - | - | - | - |
| V3- □□□ -01 □□ -Z |  | H | 753 | 15.0± 0.8 | 2.40 | 0.50 | 1.40 |
| | | G | 400 | 15.0± 1.2 | 4.10 | 0.90 | 1.70 |
| V3- □□□ -02 □□ -Z |  | H | 374 | 15.0± 1.5 | 4.80 | 1.00 | 2.70 |
| | | G | 200 | 15.0± 2.3 | 8.0 | 1.70 | 3.30 |
| V3- □□□ -03 □□ -Z |  | H | 215 | 15.0± 2.8 | 8.9 | 1.80 | 5.10 |
| | | G | 115 | 15.0± 4.7 | 15.0 | 3.10 | 7.00 |
| V3- □□□ -04 □□ -Z |  | H | 439 | 18.4± 1.3 | 4.30 | 0.90 | 2.40 |
| | | G | 235 | 18.4± 2.0 | 7.20 | 1.50 | 2.90 |
| V3- □□□ -05 □□ -Z |  | H | 842 | 20.4± 0.7 | 2.20 | 0.40 | 1.20 |
| | | G | 445 | 20.4± 1.0 | 3.70 | 0.80 | 1.50 |
| V3- □□□ -06 □□ -Z |  | H | 395 | 20.4± 1.4 | 4.50 | 0.90 | 2.60 |
| | | G | 220 | 20.4± 2.2 | 7.60 | 1.60 | 3.10 |