

MICRO SWITCHES



V3 SERIES

(Micro-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. 1000VAC(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

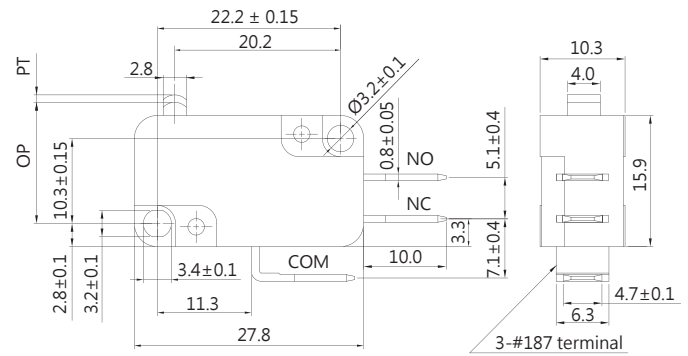
Set the switch pushing distance from 60% to 90% of the specified OT value

APPLICATIONS

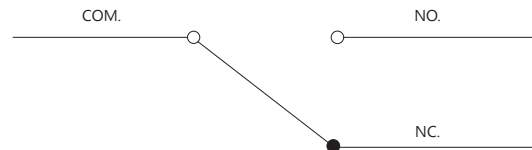
Joystick, TV game, Time Recorder, Air Conditioner, Food Processor, Juice Maker, Alarm, Mixer, Shredder Machine, Power Tool..

DIMENSIONS

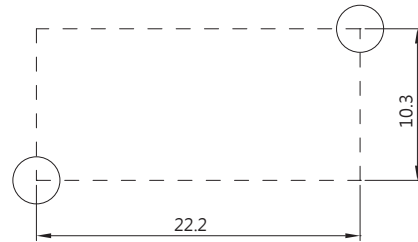
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



CONTACT CONFIGURATION



MOUNTING HOLES



CERTIFICATE INFORMATION

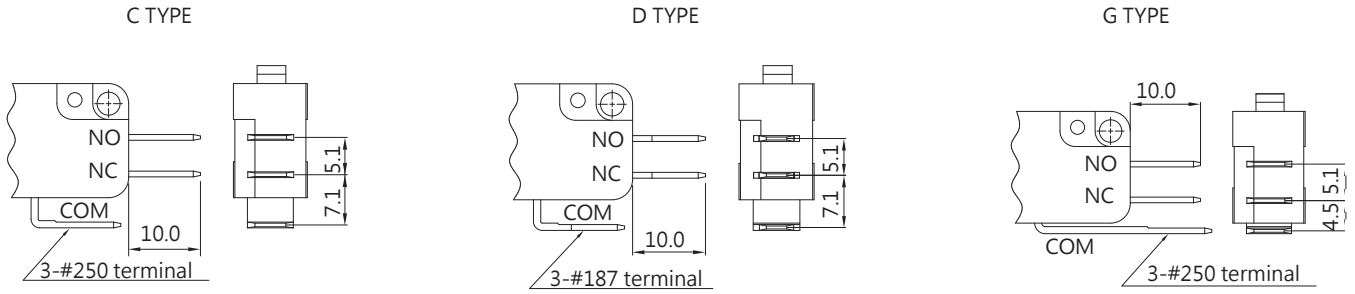
Model Name	UL · cUL	ENEC
V3-10	10.1A 125/250VAC 1/2 HP 125/250 VAC (Temp:100°C) Min. 6,000 operations	10(4)A 125/250VAC μT100 1E4
V3-16	16A 125/250VAC 1/2 HP 125/250 VAC (Temp:125°C) Min. 6,000 operations	16(4)A 125/250VAC μT125 1E4
V3-20	20.1A 125/250VAC 1 HP 125/250 VAC (Temp:100°C) Min. 6,000 operations	20.1A 125/250VACc μT125 1E4 10.1(8)A 125/250VAC μT125 1E4
V3-25	25A 125/250VAC 1 HP 125/250 VAC (Temp:100°C), Min. 6,000 operations	25.1A 125/250VAC μT125 1E4 10.1(8)A 125/250VAC μT125 1E4

THE SELECTION OF RATING & FORCE

MODEL	Rating	L K	S R	H G
V3	10A, 10(4) A	*	*	*
	16A, 16(4) A	*	*	*
	20.1 A	*	*	*
	25 A	*	*	*
	10.1(8)A	*	*	*

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

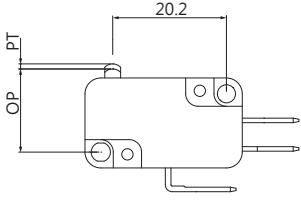
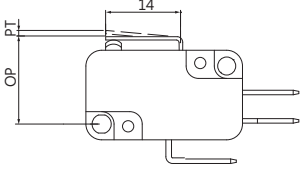
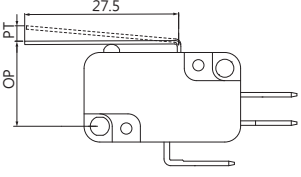
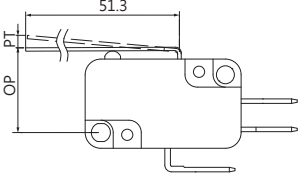
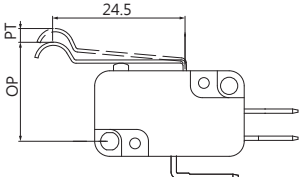
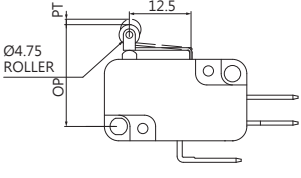
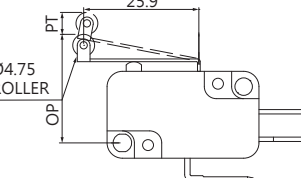
TERMINAL TYPES



ORDERING INFORMATION

V	3	—	2	5	S	—	0	1	D	3	—	Z
SERIES PREFIX		RATING CURRENT		OPERATING FORCE		ACTUATOR TYPE		ACTUATOR TYPE		CIRCUIT ARRANGEMENT		ROHS CODE
	10		10.1A 125/250VAC	L		00		C	250 SERIES(C)	3	S.P.D.T.	
	16		16A 125/250VAC	S		01		D	187 SERIES(D)	4	S.P.S.T. NO	
	20		20.1A 125/250VAC	H		02		G	250 SERIES(G)	5	S.P.S.T. NC	
	25		25A 125/250VAC	K		03						
				R		04						
				G		05						
						06						

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)			OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		L	S	H				
		K	R	G				
V3- □□□ -00 □□ -Z		150	373	505	14.7±0.5	1.3	1.3	0.12
		-	-	-	-	-	-	-
V3- □□□ -01 □□ -Z		145	316	435	15.4±0.8	2.0	0.70	0.2
		75	158	270	15.6±1.5	6.6	1.40	2.70
V3- □□□ -02 □□ -Z		75	188	240	15.8±1.5	3.5	1.5	0.3
		45	82	130	16.6±2.3	6.0	3.0	0.6
V3- □□□ -03 □□ -Z		40	98	135	16.0±2.82	7.5	4.0	1.0
		25	50	80	18.0±4.32	12.0	6.0	1.2
V3- □□□ -04 □□ -Z		80	176	270	19.0±1.3	3.0	1.5	0.3
		50	115	145	19.9±2.0	5.5	3.5	0.5
V3- □□□ -05 □□ -Z		160	358	505	20.7±0.7	1.5	1.0	0.15
		95	187	358	21.2±1.0	2.5	2.0	0.2
V3- □□□ -06 □□ -Z		80	160	255	21.0±1.2	3.0	1.7	0.25
		50	87	140	21.9±2.2	5.0	4.5	0.35