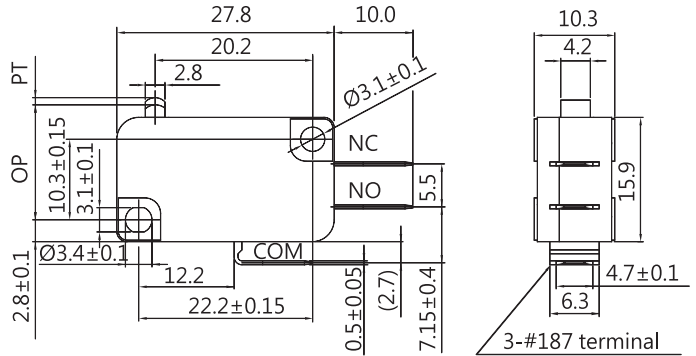



**DIMENSIONS**

 Unless otherwise specified, a tolerance of  $\pm 0.4\text{mm}$  applies to all dimensions.


## VM SERIES

**SPECIFICATIONS**
**Contact Resistance(initial)**

 Max. 100 m $\Omega$ 

Measured by ohm meter - open voltage &lt; 1VDC, driver current -100 mA

**Insulation Resistance (at 500 VDC / minute)**

 Min. 100 M $\Omega$ 
**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**

0.1A - Min. 1,000,000 operations

5A - Min. 10,000 operations

**Electrical Operating Frequency**

10~30 operations per minute

**Mechanical Service Life**

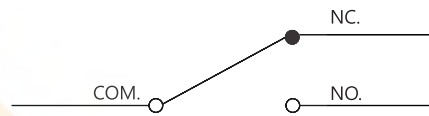
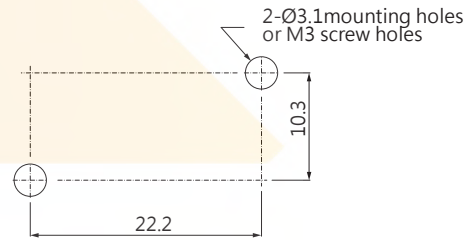
Min. 10,000,000 operations

**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

**CONTACT CONFIGURATION**

**MOUNTING HOLES**

**CERTIFICATE INFORMATION**

Model Name	UL, cUL
VM-05	5A 125/250 VAC (Temp:85°C) Min. 10,000 operations

**TYPICAL APPLICATIONS**

Joysticks, Small Household Appliances, Gaming Devices, HEVAC, Printers, Industrial

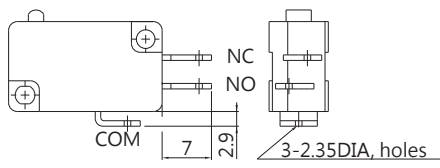
**THE SELECTION OF RATING & FORCE**

MODEL	Rating	B A	L K	D C	F E	S R	Q P	H G
VM	0.1A	*	*	*	*	*	*	*
	5A				*	*	*	*

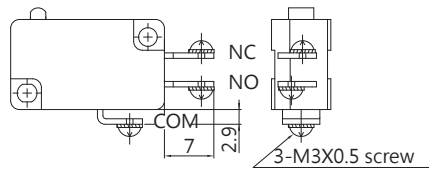
NOTE : The Symbol " \* " to represent the result is accepted

TERMINAL TYPES

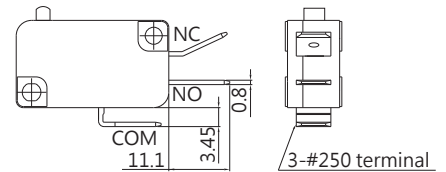
Solder terminal A TYPE



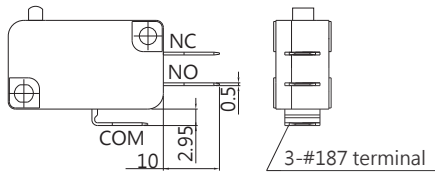
Screw terminal B TYPE



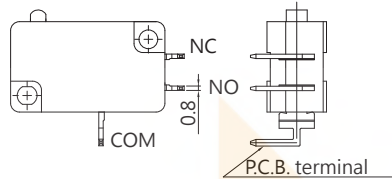
Terminal 250 Series C TYPE



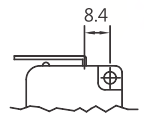

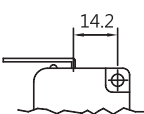




Terminal 187 Series D TYPE



PCB terminal P TYPE



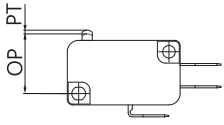
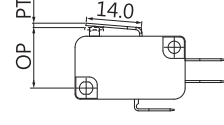
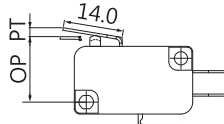
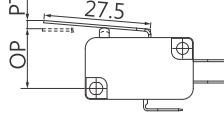
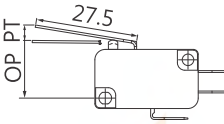
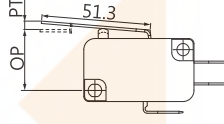
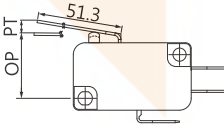
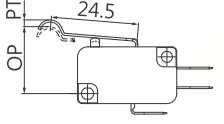
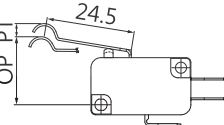
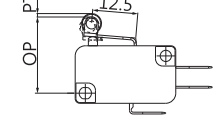
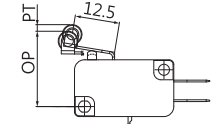
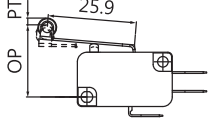
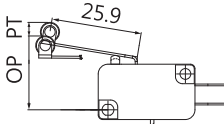
ORDERING INFORMATION

<b>V M</b>	—	<b>P 1</b>	—	<b>L</b>	—	<b>0 3</b>	—	<b>D</b>	—	<b>0</b>	—	<b>Z</b>
SERIES PREFIX		C O D E	RATING CURRENT	C O D E	OPERATING FORCE	C O D E	ACTUATOR TYPE	C O D E	TERMINAL TYPE	C O D E	CIRCUIT ARRANGEMENT	ROHS CODE
		P1	0.1A 125/250 VAC	B L D F S H A K C E R P G	 8.4	00	No Lever	01	 SOLDER TERMINAL	0	S.P.D.T	
		05	5A 125/250 VAC	 14.2	02	03	 SCREW TERMINAL	04	 250 SERIES	1	S.P.ST. NO	
								D	 187 SERIES	2	S.P.ST. NC	
								P	 PCB SERIES			

#NOTE		
ITEM	RATING CURRENT	OPERATING FORCE
1	Code : P1	ALL
2	Code : 05	F, S, Q, H, E, R, P, G

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)							OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		B	L	D	F	S	Q	H				
VM- □□□ -00 □□ -Z		B	L	D	F	S	Q	H	14.7±0.5	1.3	0.8	0.4
	20	50	100	150	200	330	400					
VM- □□□ -01 □□ -Z		B	L	D	F	S	Q	H	15.3±0.5	1.6	0.6	0.5
	20	50	100	150	200	330	400					
		A	K	C	E	R	P	G	15.3±1.1	2.80	1.75	0.75
	13	28	54	77	120	151	200					
VM- □□□ -02 □□ -Z		B	L	D	F	S	Q	H	15.3±1.5	3.3	1.6	1.2
	9	30	44	66	120	160	220					
		A	K	C	E	R	P	G	15.3±2.3	5.75	3.1	1.6
	5	17	22	41	51	95	115					
VM- □□□ -03 □□ -Z		B	L	D	F	S	Q	H	15.3±2.5	7.6	3.0	2.2
	5	15	24	35	60	100	120					
		A	K	C	E	R	P	G	15.3±4.3	11.1	5.0	3.0
	-	8	20	21	38	60	75					
VM- □□□ -04 □□ -Z		B	L	D	F	S	Q	H	18.7±1.5	3.4	1.6	1.2
	10	30	60	74	120	180	220					
		A	K	C	E	R	P	G	18.7±2.1	5.3	2.55	1.4
	10	19	34	46	57	100	125					
VM- □□□ -05 □□ -Z		B	L	D	F	S	Q	H	20.7±0.8	1.5	0.6	0.5
	20	50	97	145	200	320	400					
		A	K	C	E	R	P	G	20.7±1.1	2.9	1.4	0.7
	14	31	59	85	115	180	220					
VM- □□□ -06 □□ -Z		B	L	D	F	S	Q	H	20.7±1.5	3.4	1.6	1.2
	10	30	47	70	120	170	220					
		A	K	C	E	R	P	G	20.7±2.2	5.5	2.8	1.5
	9	18	24	46	47	100	120					