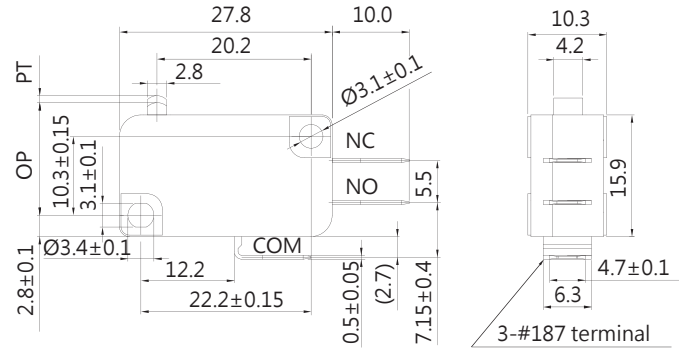


MICRO SWITCHES



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 Ω

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

Insulation Resistance (at 500 VDC / minute)

Min. 100 M Ω

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

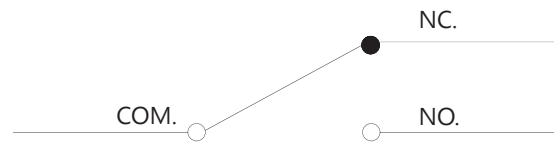
Operating application of the switch

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

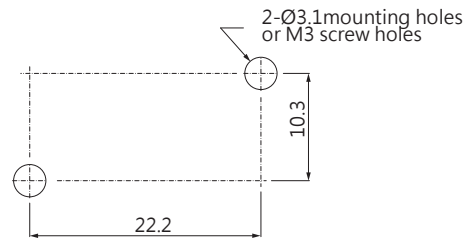
APPLICATIONS

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

CONTACT CONFIGURATION



MOUNTING HOLES



CERTIFICATE INFORMATION

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

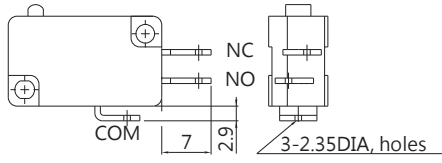
THE SELECTION OF RATING & FORCE

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

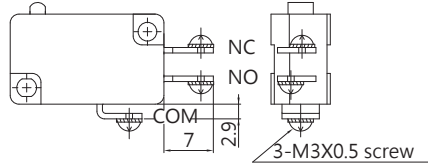
NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

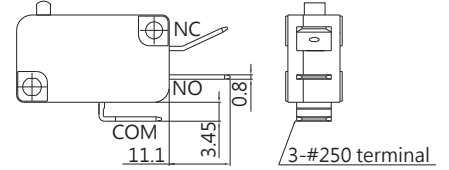
Solder terminal A TYPE



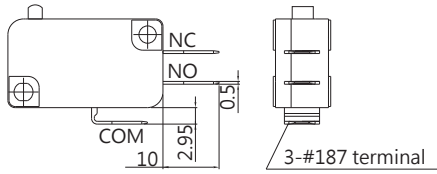
Screw terminal B TYPE



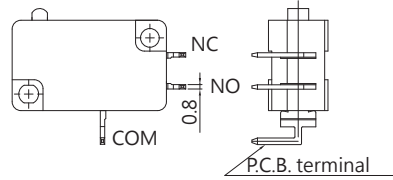
Terminal 250 Series C TYPE



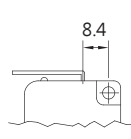
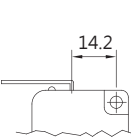




Terminal 187 Series D TYPE



PCB terminal P TYPE



ORDERING INFORMATION

V M	—	P 1	L	—	0 3	D	0	—	Z	
SERIES PREFIX		RATING CURRENT	OPERATING FORCE		ACTUATOR TYPE	TERMINAL TYPE	CIRCUIT ARRANGEMENT		ROHS CODE	
		P1 0.1A 125/250 VAC			00 No Lever	A SOLDER TERMINAL	0 S.P.D.T			
		05 5A 125/250 VAC				01 	B SCREW TERMINAL	1 S.PST. NO		
						02 	C 250 SERIES	2 S.PST. NC		
						03 	D 187 SERIES			
					04 	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					