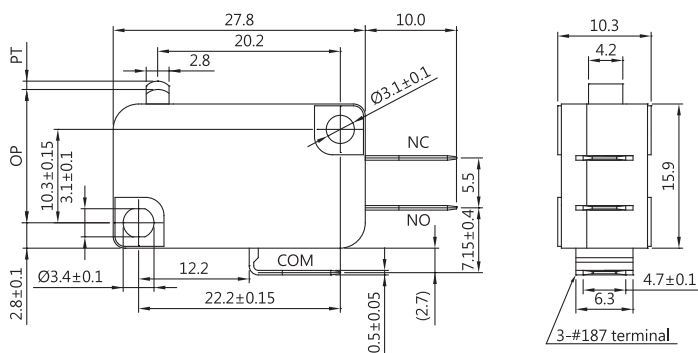




DIMENSIONS

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



VM SERIES

SPECIFICATIONS

Contact Resistance(initial)

Max. 100 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

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

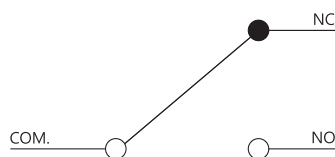
Mechanical Operating Frequency

120 operations per minute

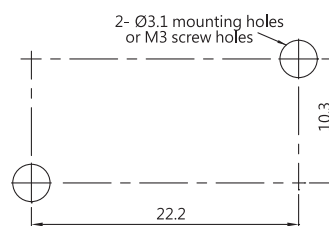
Operating application of the switch

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

APPLICATIONS

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

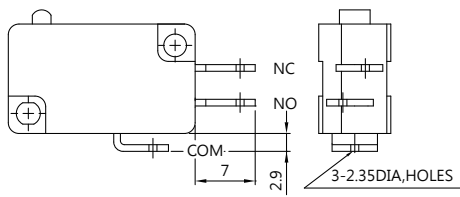
THE SELECTION OF RATING & FORCE

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

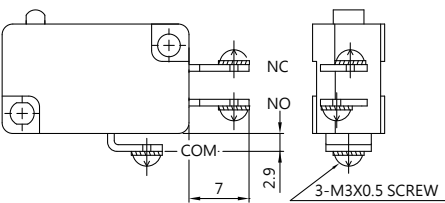
NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

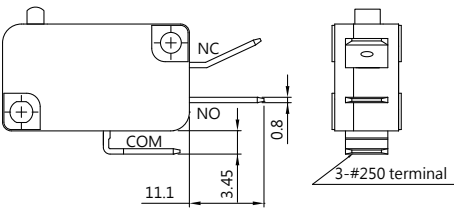
Solder terminal A TYPE



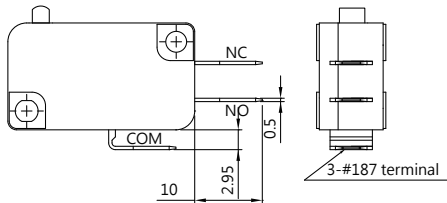
Screw terminal B TYPE



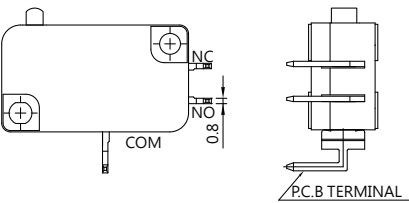
Terminal 250 Series C TYPE



Terminal 187 Series D TYPE



PCB terminal P TYPE



ORDERING INFORMATION

V M — P 1 L — 0 0 D 0 — Z

SERIES
PREFIX

ROHS
CODE

RATING CURRENT		
CODE	P1	05
RATING	0.1A 125/250VAC	5A 125/250VAC

CIRCUIT ARRANGEMENT			
CODE	0	1	2
CIRCUIT	S.P.D.T	S.P.S.T NO	S.P.S.T NC

OPERATING FORCE							
CODE	B	L	D	F	S	Q	H
FORCE							
CODE	A	K	C	E	R	P	G
FORCE							

TERMINAL TYPE			
CODE	A	B	C
IMAGE			
CODE	D	P	
IMAGE			

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

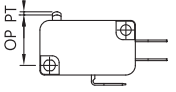
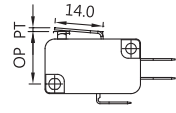
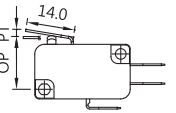
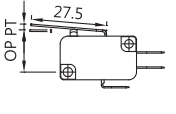
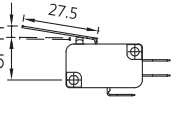
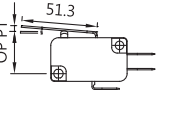
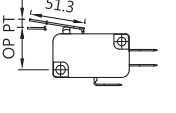
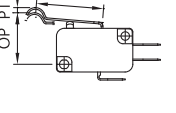
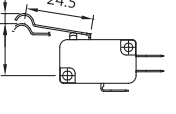
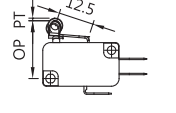
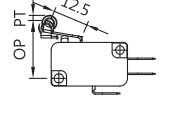
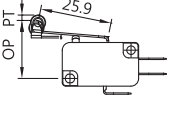
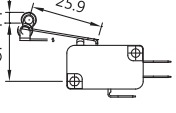
ACTUATOR TYPE			
CODE	00	01	02
IMAGE			
CODE	03	04	
IMAGE			

CAUTIONS



Scan the QR code or download https://www.zippy.com/ecmodelcautions/micro_switch_cautions.pdf

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)							OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
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	1.6	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	2.85	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	1.25	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	1.45	1.2
		10	30	47	70	120	170	220				
		A	K	C	E	R	P	G	20.7±2.2	5.5	2.75	1.5
		9	18	24	46	47	100	120				