



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

1000 VAC(50~ 60 Hz)

Storage Temperature Range

-25°C to 85°C (with no icing)

Storage Humidity

At 40°C , Max. 85% R.H

Operating Temperature Range

-40°C to 85°C (with no icing)

Vibration

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

Electrical Service Life

0.1A-Min. 1,000,000 operations

5A-Min. 10,000 operations

Electrical Operating Frequency

0.1A-120 operations per minute

5A 10~30 operations per minute

Mechanical Service Life

Min. 10,000,000 operations

Mechanical Operating Frequency

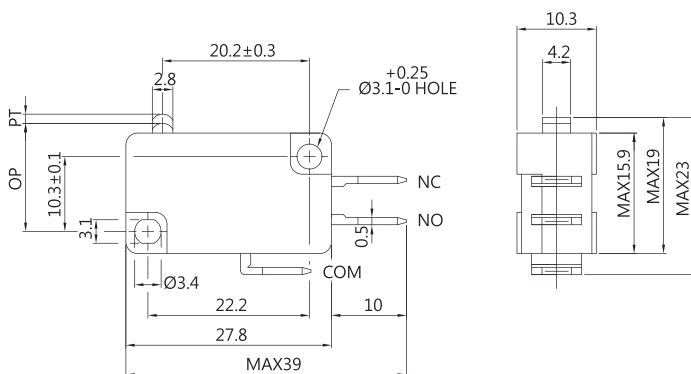
120 operations per minute

APPLICATIONS

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

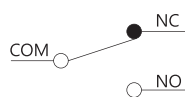
DIMENSIONS

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

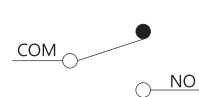


CONTACT CONFIGURATION

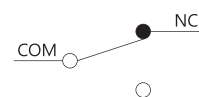
S.P.D.T.



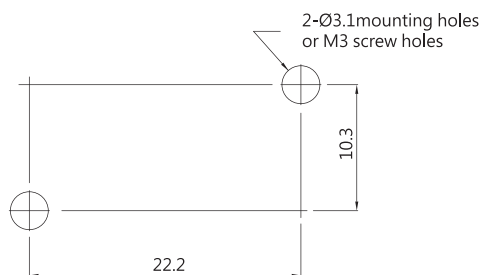
S.P.S.T.NO



S.P.S.T.NC



MOUNTING HOLES



CERTIFICATE INFORMATION

Model Name	UL	CSA	ENEC14
VM-P1	0.1A 125/250VAC (Temp:85°C) Min. 10,000 operations	Non	Non
VM-05	5A 125/250VAC (Temp:85°C) Min. 10,000 operations	5A 125/250VAC Min. 6,000 operations	Non
VM-05	5A 125/250VAC (Temp:85°C) Min. 10,000 operations	5A 125/250VAC Min. 6,000 operations	5A 125/250VAC, μ40T85, 1E4 (only for F,S,Q,H force)

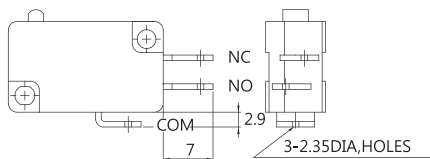
THE SELECTION OF RATING & FORCE

MODEL	Rating	B	L	D	F	S	Q	H
VM	0.1A	*	*	*	*	*	*	*
	5A				*	*	*	*

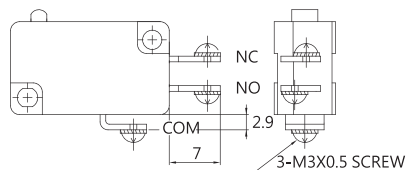
NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

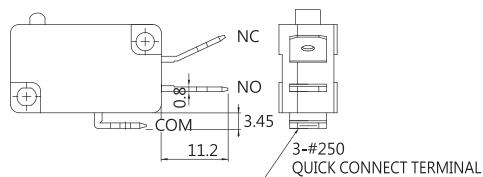
Solder terminal A TYPE



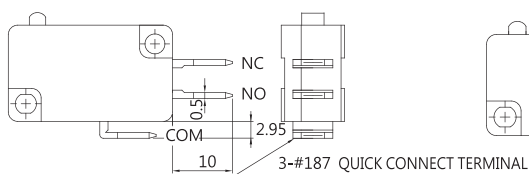
Screw terminal B TYPE



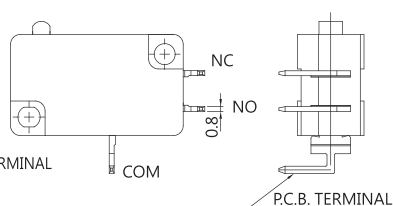
Quick connect terminal 250 Series C TYPE



Quick connect terminal 187 Series D TYP



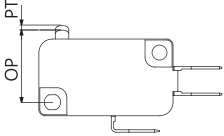
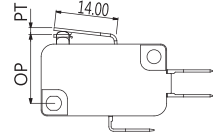
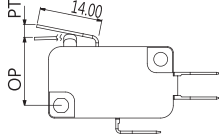
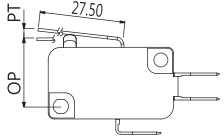
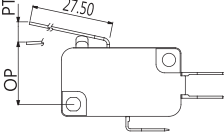
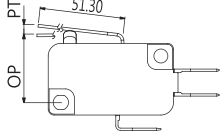
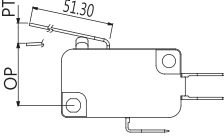
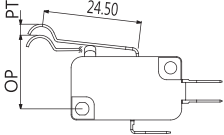
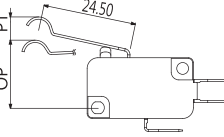
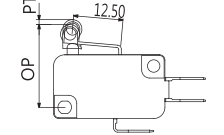
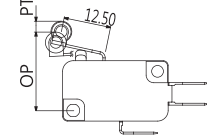
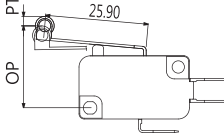
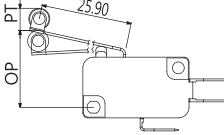
PCB terminal P TYPE



ORDERING INFORMATION

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
V	M	05	L	03	D	0	Z				
	P1	0.1A;125/250 VAC	B		A	00	0	SOLDER TERMINAL (A)		S.P.D.T	
	05	5A;125/250 VAC	L		B	01	1	SCREW TERMINAL (B)		S.P.ST. NO	
			D		C	02	2	250 SERIES (C)		S.P.ST. NC	
			F			03		187 SERIES (D)			
			S		P	04		PCB SERIES (P)			
			Q			05					
			H			06					
			A								
			K								
			C								
			E								
			R								
			P								
			G								

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	1.75	0.75
		10	23	46	69	92	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	25	35	60	100	120				
		A	K	C	E	R	P	G	15.3±4.3	11.1	5.0	3.0
		-	8	12	18	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
		5	13	25	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
		10	23	49	80	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
		7	12	24	35	47	100	120				