

MICRO SWITCHES



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

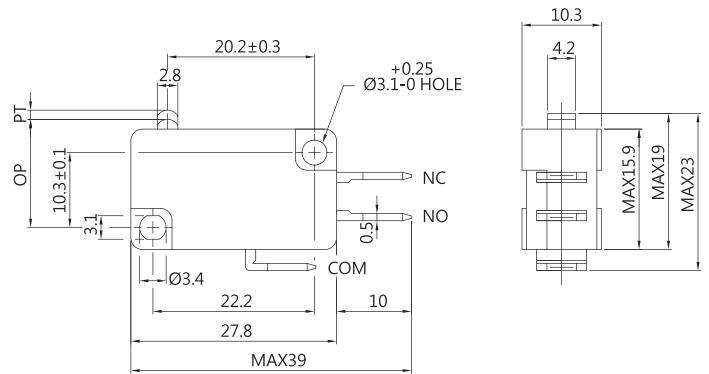
120 operations per minute

APPLICATIONS

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

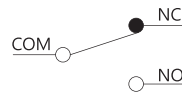
DIMENSIONS

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

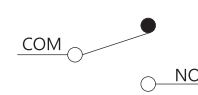


CONTACT CONFIGURATION

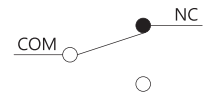
S.P.D.T.



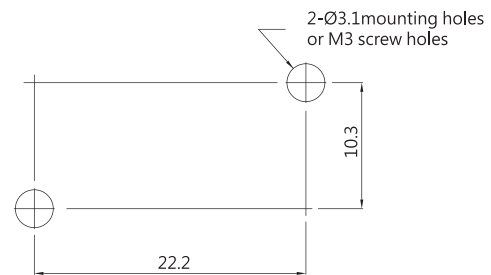
S.P.S.T.NO



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)

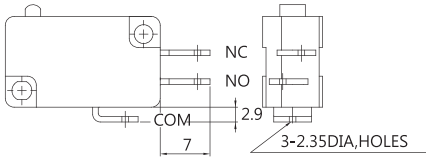
THE SELECTION OF RATING & FORCE

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

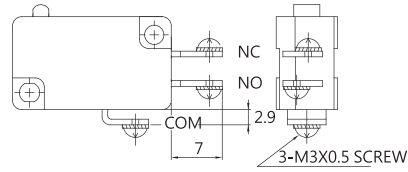
NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

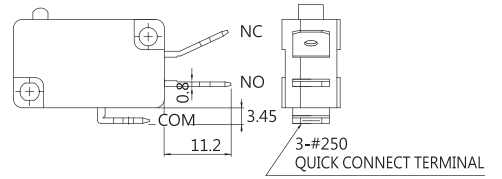
Solder terminal A TYPE



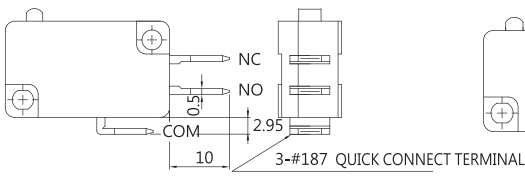
Screw terminal B TYPE



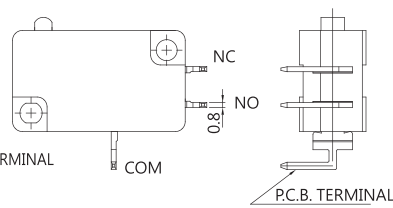
Quick connect terminal 250 Series C TYPE



Quick connect terminal 187 Series D TYP



PCB terminal P TYPE



ORDERING INFORMATION

V	M	0	5	L	0	3	D	0	Z			
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		00		A	SOLDER TERMINAL (A)	0	S.P.D.T	
	05	5A;125/250 VAC		L		01		B	SCREW TERMINAL (B)	1	S.P.ST. NO	
				D		02		C	250 SERIES (C)	2	S.P.ST. NC	
				F		03		D	187 SERIES (D)			
				S		04		P	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)
		B	L	D	F	S	Q	H				
VM-□□□□-00□□-Z		20	50	100	150	200	330	400	14.7±0.5	1.3	0.8	0.4
		B	L	D	F	S	Q	H				
VM-□□□□-01□□-Z		20	50	100	150	200	330	400	15.3±0.5	1.6	0.6	0.5
		B	L	D	F	S	Q	H				
VM-□□□□-02□□-Z		10	23	46	69	92	151	200	15.3±1.1	2.80	1.75	0.75
		A	K	C	E	R	P	G				
VM-□□□□-03□□-Z		5	17	22	41	51	95	115	15.3±2.3	5.75	3.1	1.6
		A	K	C	E	R	P	G				
VM-□□□□-04□□-Z		5	15	25	35	60	100	120	15.3±2.5	7.6	3.0	2.2
		B	L	D	F	S	Q	H				
VM-□□□□-05□□-Z		-	8	12	18	38	60	75	15.3±4.3	11.1	5.0	3.0
		A	K	C	E	R	P	G				
VM-□□□□-06□□-Z		10	30	60	74	120	180	220	18.7±1.5	3.4	1.6	1.2
		B	L	D	F	S	Q	H				
VM-□□□□-07□□-Z		5	13	25	46	57	100	125	18.7±2.1	5.3	2.55	1.4
		A	K	C	E	R	P	G				
VM-□□□□-08□□-Z		20	50	97	145	200	320	400	20.7±0.8	1.5	0.6	0.5
		B	L	D	F	S	Q	H				
VM-□□□□-09□□-Z		10	23	49	80	115	180	220	20.7±1.1	2.9	1.4	0.7
		A	K	C	E	R	P	G				
VM-□□□□-10□□-Z		10	30	47	70	120	170	220	20.7±1.5	3.4	1.6	1.2
		B	L	D	F	S	Q	H				
VM-□□□□-11□□-Z		7	12	24	35	47	100	120	20.7±2.2	5.5	2.8	1.5
		A	K	C	E	R	P	G				