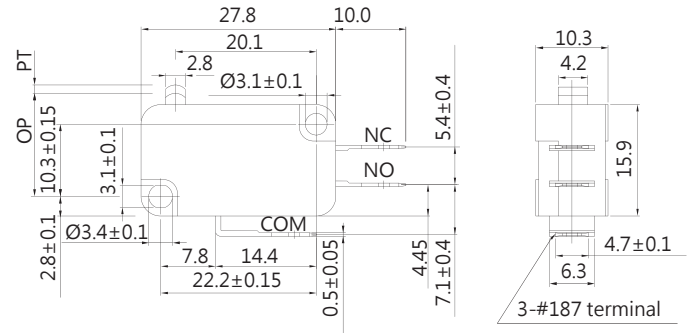


# MICRO SWITCHES



## DIMENSIONS

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



## VMN SERIES

### SPECIFICATIONS

#### Contact Resistance(initial)

Max. 100 m $\Omega$

Measured by ohm meter - open voltage < 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

Other ratings - 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

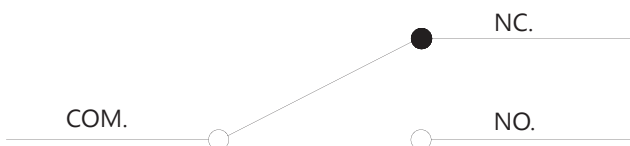
#### Operating application of the switch

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

### APPLICATIONS

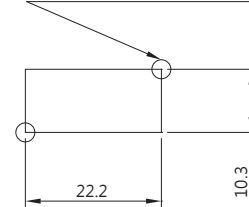
Joystick, TV game, Time Recorder, Air Conditioner, Food Processor, Juice Maker, Alarm, Mixer, Shredder Machine.

### CONTACT CONFIGURATION



### MOUNTING HOLES

2- $\varnothing 3.1$  mounting holes  
or M3 screw holes



### CERTIFICATE INFORMATION

Model Name	UL · cUL	ENEC
VMN-P1	0.1A 30VDC (Temp:120°C) 0.1A 125/250 VAC (Temp:120°C) Min. 6,000 operations	0.1A 125/250VAC $\mu 40T125 1E4$
VMN-03	3A 125/250 VAC (Temp:120°C) Min. 6,000 operations	3A 125/250VAC $\mu 40T125 1E4$
VMN-06	6A 125/250 VAC (Temp:120°C) Min. 6,000 operations	6A 125/250VAC $\mu 40T125 1E4$
VMN-T6S	6A 125/250 VAC (Temp:200°C) Min. 6,000 operations	Non
VMN-10	10A 125/250 VAC (Temp:120°C) Min. 6,000 operations	10A 125/250VAC $\mu 40T125 1E4$
VMN-15	15A 1/2HP 125/250 VAC (Temp:120°C) Min. 6,000 operations	15A 16(4)A 125/250VAC $\mu 40T125 1E4$

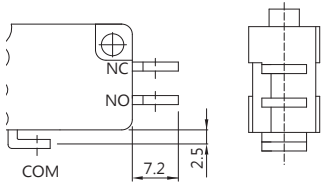
### THE SELECTION OF RATING & FORCE

MODEL	Rating	B A	D C	N M	L K	S R	H G	SPECIFY H & G
VMN	0.1A	*	*	*	*	*	*	*
	3A		*	*	*	*	*	*
	6A			*	*	*	*	*
	10A				*	*	*	*
	15A					*	*	*
	16(4)A							*

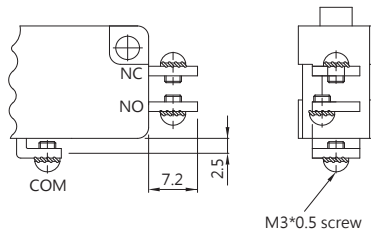
NOTE : The Symbol " \* " to represent the result is accepted

**TERMINAL TYPES**

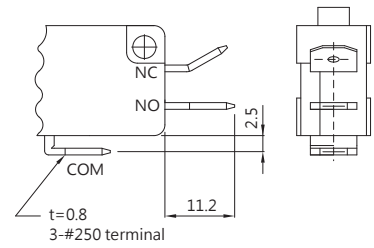
Solder terminal A TYPE



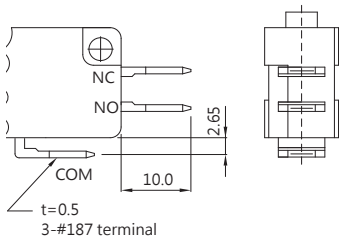
Screw terminal B TYPE



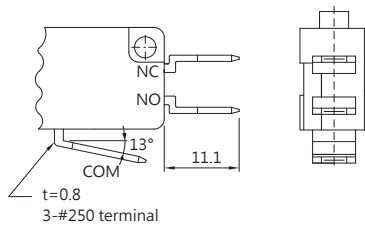
Terminal 250 Series C TYPE



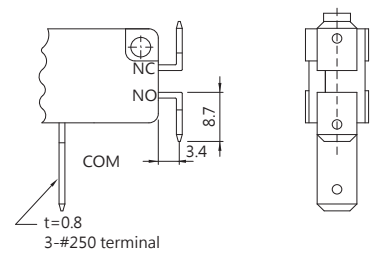
Terminal 187 Series D TYPE



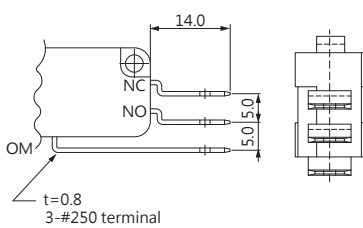
Terminal 250 Series E TYPE



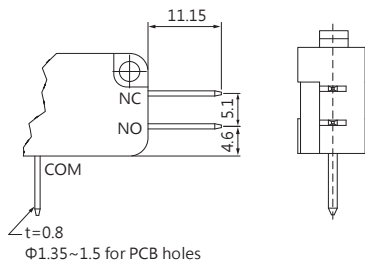
Terminal 250 Series F TYPE



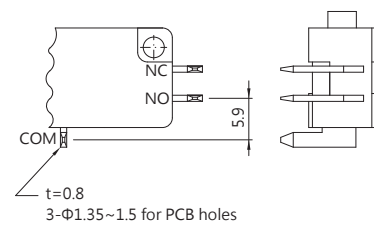
Terminal 250 Series G TYPE



PCB terminal K TYPE



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	C O D E	COLOR	ROHS CODE
	P1	0.1A 125/250 VAC	B		00	No Lever	A	SOLDER TERMINAL	0	S.P.D.T	B	BLACK	
	03	3A 125/250 VAC	D		01		B		SCREW TERMINAL	1	S.P.ST. NO		
	06	6A 125/250 VAC	L		02		C	250 SERIES	2	S.P.ST. NC			
	10	10A 125/250 VAC	S		03		D		187 SERIES				
	15	15A 125/250 VAC 16(4) 125/250 VAC	H		04		E	250 SERIES					
			A				F	250 SERIES					
			C				P	PCB TERMINAL					
			M				G	250 SERIES					
			K				K	PCB SERIES					
			R										
			G										

#NOTE		
ITEM	RATING CURRENT	OPERATING FORCE
1	0.1A	ALL
2	3A	D, N, L, S, H, C, M, K, R, G, SPECIFY H&G
3	6A	N, L, S, H, M, K, R, G, SPECIFY H&G
4	10A	L, S, H, K, R, G, SPECIFY H&G
5	15A	S, H, R, G, SPECIFY H&G
6	16(4)A	SPECIFY H&G