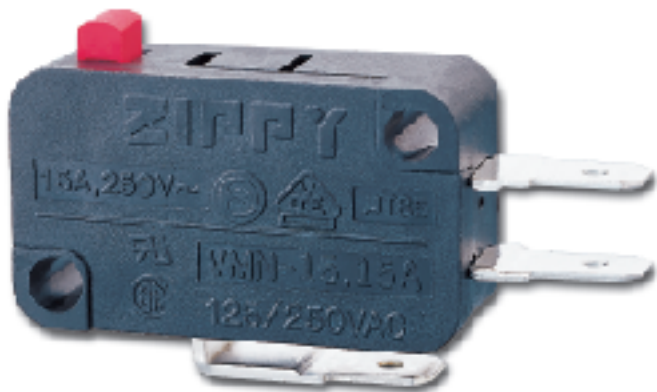
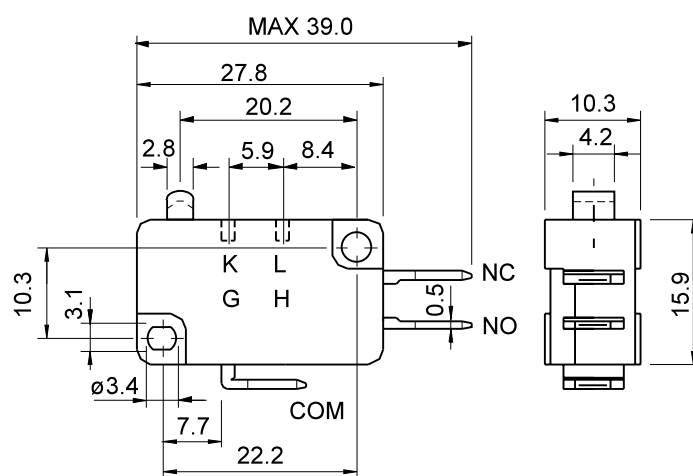


- **SERIES VMN/VMO-P1**
- **SERIES VMN/VMO-03**
- **SERIES VMN/VMO-06**
- **SERIES VMN/VMO-10**
- **SERIES VMN/VMO-15**



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



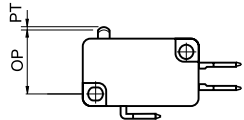
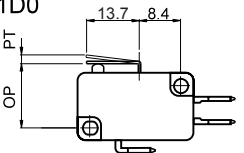
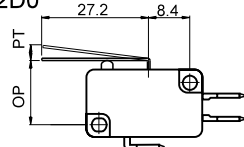
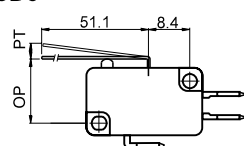
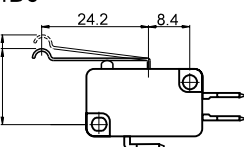
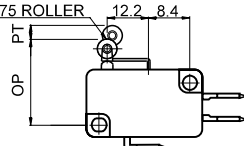
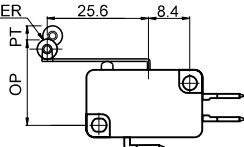
■ FEATURES

- Long Life Coil Spring Mechanism
- Large Overtravel
- Integral Hinged Actuator
- Rock Wipe Contact Action
- Customer Designs

■ SPECIFICATIONS

- Insulation resistance (at 500VDC) 100M Ω Min.
- Dielectric strength AC 1,000V RMS(50-60HZ)
- Contact resistance (initial) 30m Ω ,100m Ω Max.
- Vibration
 - Malfunction durability 10 to 55 Hz double amplitude for 2 hours
- Operating frequency (mechanical) 300 operations/min
 - (electrical) 10~30 operations/min
- Service life
 - Electrical (at rated load) 6,000 ~ 100,000 operations(depend on type)
 - Mechanical 5,000,000 ~ 10,000,000 operations
- Storage temperature -25°C to +85°C, +120°C optional
- Storage humidity 85% RH Max.

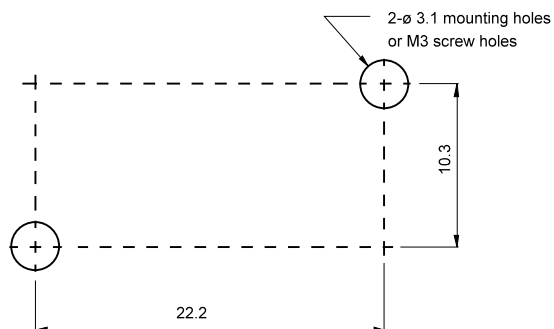
■ OPERATING CHARACTERISTICS

PART SUFFIX	ACTUATOR TYPES	OF Max. (g)							OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		B	D	N	L	S	H	Q				
		A	C	M	K	R	G	P				
VMO - - 00D0 VMN - - 00D0		18	45	75	110	170	230	330	14.7 ±0.5	1.20	0.80	0.25
		—	—	—	—	—	—	—	—	—	—	—
VMO - - 01D0 VMN - - 01D0		18	45	75	110	170	230	330	15.3 ±0.5	1.57	0.60	0.41
		8	27	37	50	85	120	175	15.3 ±1.1	2.50	1.75	0.50
VMO - - 02D0 VMN - - 02D0		8	22	37	50	86	125	180	15.3 ±1.5	3.18	1.60	0.76
		5	16	22	30	51	65	90	15.3 ±2.3	5.60	3.10	1.02
VMO - - 03D0 VMN - - 03D0		—	13	25	30	49	70	120	15.3 ±2.5	7.60	3.00	1.20
		—	8	15	20	30	35	50	15.3 ±4.3	10.0	5.00	1.70
VMO - - 04D0 VMN - - 04D0		10	28	43	55	91	140	205	18.7 ±1.5	3.18	1.60	0.76
		7	16	24	35	56	70	100	18.7 ±2.1	5.60	2.55	1.02
VMO - - 05D0 VMN - - 05D0		20	55	80	110	170	230	330	20.7 ±0.8	1.20	0.60	0.25
		8	35	55	70	100	120	175	20.7 ±1.1	2.50	1.40	0.40
VMO - - 06D0 VMN - - 06D0		8	30	50	55	100	125	180	20.7 ±1.5	3.18	1.60	0.76
		5	20	30	40	51	65	90	20.7 ±2.2	5.08	2.80	1.02

RATINGS

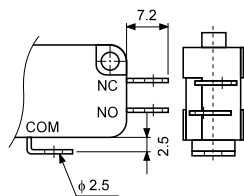
VMN-P1;VMO-P1	- 0.1 A, 125/250 VAC
VMN-03;VMO-03	- 3 A, 125/250 VAC
VMN-06;VMO-06	- 6 A, 125/250 VAC
VMN-10;VMO-10	- 10 A, 125/250 VAC
VMN-15;VMO-15	- 15 A, 125/250 VAC
VMO-16	- 16(4) A, 125/250 VAC

MOUNTING HOLES

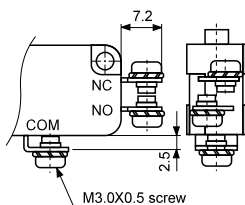


TERMINAL TYPES (VMO & VMN SERIES)

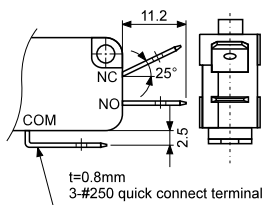
Solder terminal (A)



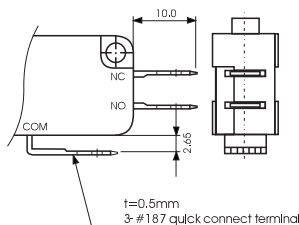
Screw terminal (B)



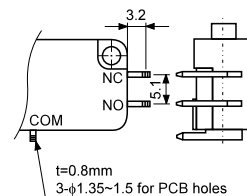
Quick connect terminal 250 series (C)



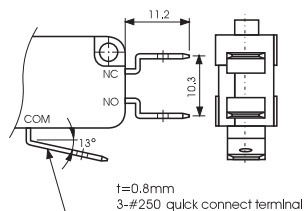
Quick connect terminal 187 series (D)



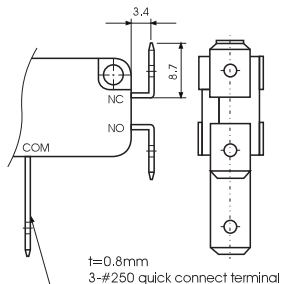
PCB terminal (P)



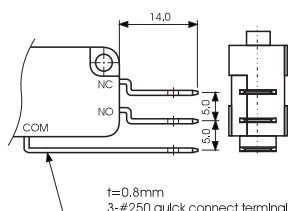
Quick connect terminal 250 series (E)



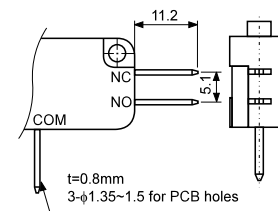
Quick connect terminal 250 series (F)



Quick connect terminal 250 series (G)

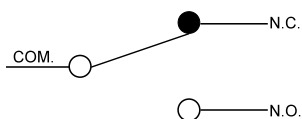


PCB terminal (K)

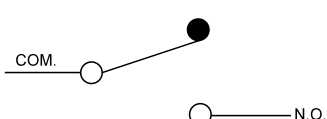


CONTACT CONFIGURATION

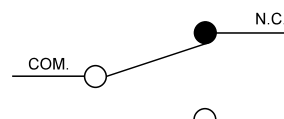
0: S.P.D.T.



1: S.P.S.T. NO



2: S.P.S.T. NC

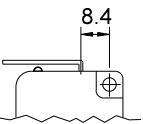
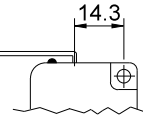


THE SELECTION OF RATING & FORCE

TYPE	CODE	B	D	N	L	S	H	Q
V V	0.1A	*	*	(*)	(*)	(*)	(*)	○
	3A	*	*	(*)	(*)	(*)	(*)	○
M M	6A		*	*	(*)	(*)	(*)	○
O N	10A			*	*	(*)	(*)	○
	15A				*	*	(*)	○

VMO: ○ HEAVY SERIES

VMN: * LIGHT SERIES

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 ARRANGE- MENT
V	P1	0.1A 125/250VAC	B		00		A	SOLDER TERMINAL (A)	0	S.P.D.T.
M	03	3A 125/250VAC	D		01		B	SCREW TERMINAL (B)	1	S.P.S.T. NO
N	06	6A 125/250VAC	N		02		C	250 SERIES (C)	2	S.P.S.T. NC
	10	10A 125/250VAC	L		03		D	187 SERIES (D)		
	15	15A 125/250VAC	S		04		E	250 SERIES (E)		
	16	16(4)A 125/250VAC	H		05		F	250 SERIES (F)		
			Q		06		P	PCB SERIES (P)		
			A				G	250 SERIES (G)		
			C				K	PCB SERIES (K)		
			M							
			K							
			R							
			G							
			P							