



**MBV SERIES : Miniature Basic Switch**

**FEATURES**

- High Grade ABS Plastic body
- Contact Rating 16A/230VAC (resistive low)
- Wide Variety of Operating Heads
- Dust, Water Proof & Oil Resistance Construction



**CHARACTERISTICS**

Operating Speed	0.1mm~1m/s (Button Type)	
Operating Frequency	Electrical: 20 operations/minuts	
Contact Resistance	15mΩ max. (initial value)	
Insulation Resistance	100mΩ min. (at 500VDC)	
Withstand Voltage	Non-continuous terminals	1,000VAC, 50/60Hz Continue1min
	Current-carrying and non-current-carrying metal parts, between terminal and earthing	2,000VAC, 50/60Hz Continue1min
Vibration	Misoperation	10 to 55Hz, 1.5mm pairs swing
Ambient temperature	-10~+65°C (with no icing)	
Shock	Misoperation	Max 300m/S2(about 100G)
Humidity	<85%RH(+5~+35°C)	
Life	300000 Operations Above	
Degree of protection	IP66 (IEC Standard)	

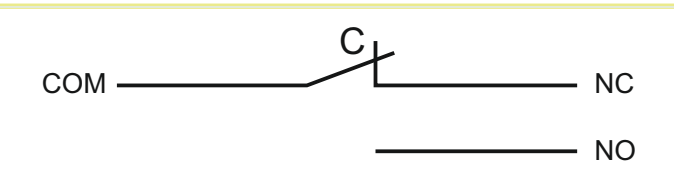
**RATING**

Spec.	Rated Voltage	Non-inductive Load (A)		Inductive Load (A)	
		Resistance Load		Lamp Load	
		NC	NO	NC	NO
16A	250VAC	16	2	10	3
	8VDC	16	4	10	6
	30VDC	10	4	10	4
	125VDC	0.6	0.1	0.6	0.1
	250VDC	0.3	0.05	0.3	0.05

**ORDER CODE**

MODEL	DESCRIPTION	MOQ
MBV-16-P	Pin Plunger	20
MBV-16-HS	Short Hinge Lever	20
MBV-16-H	Hinge Lever	20
MBV-16-HE	Extended Hinge Lever	20
MBV-16-RHS	Roller Short Hinge Lever	20
MBV-16-RH	Roller Hinge Lever	20

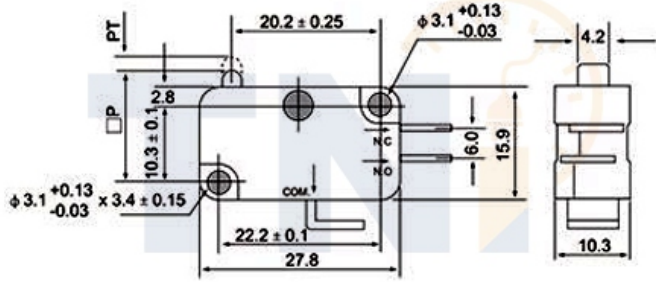
**CONTACT FORM**



**OPERATING CHARACTERISTICS**

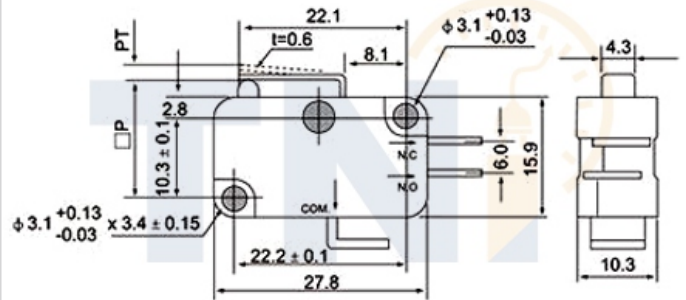
MODEL	Operating Force (Max.)	Release Force (Min.)	Pre Travel (Max.)	Over Travel (Min.)	Movement Defential (Max.)	Operational Position
Pin Plunger (MBV-16-P)	1.96N	0.49N	1.2mm	1.0mm	0.4mm	14.7±0.4mm
Short Hinge Lever (MBV-16-HS)	1.96N	0.49N	1.6mm	0.8mm	0.6mm	15.2±0.5mm
Hinge Lever (MBV-16-H)	1.23N	0.14N	4.0mm	1.6mm	1.5mm	15.2±1.2mm
Extended Hinge Lever (MBV-16-HE)	0.69N	0.06N	9.0mm	2.0mm	2.8mm	15.2+2.6mm 15.2-3.2mm
Roller Short Hinge Lever (MBV-16-RHS)	2.35N	0.49N	1.6mm	0.8mm	0.6mm	20.7±0.6mm
Roller Hinge Lever (MBV-16-RH)	1.23N	0.14N	4.0mm	1.6mm	1.5mm	20.7±1.2mm

**MBV-16-P**



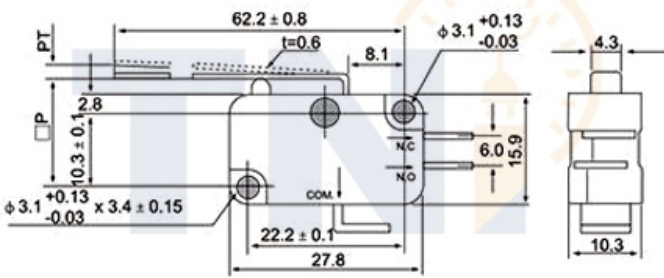
**Pin Plunger**

**MBV-16-HS**



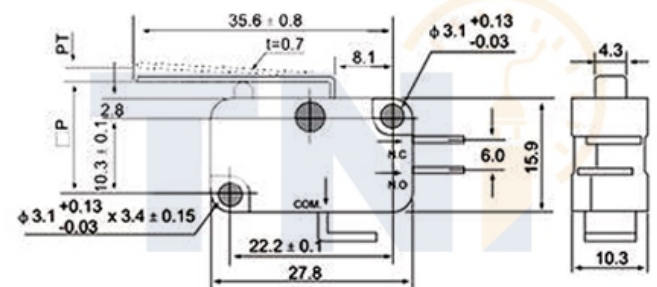
**Short Hinge Lever**

**MBV-16-H**



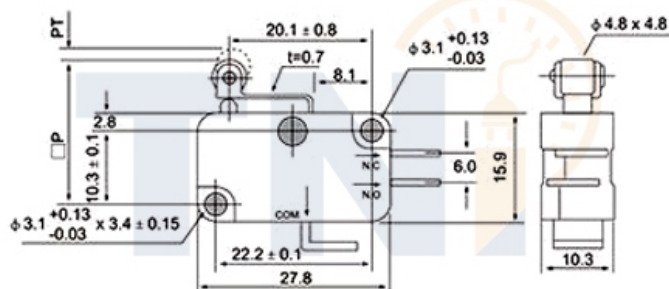
**Hinge Lever**

**MBV-16-HE**



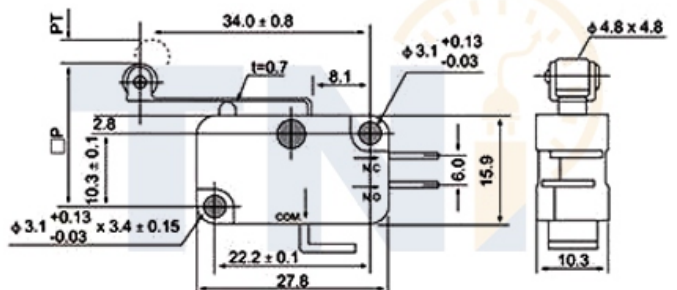
**Extended Hinge Lever**

**MBV-16-RHS**



**Roller Short Hinge Lever**

**MBV-16-RH**



**Roller Hinge Lever**