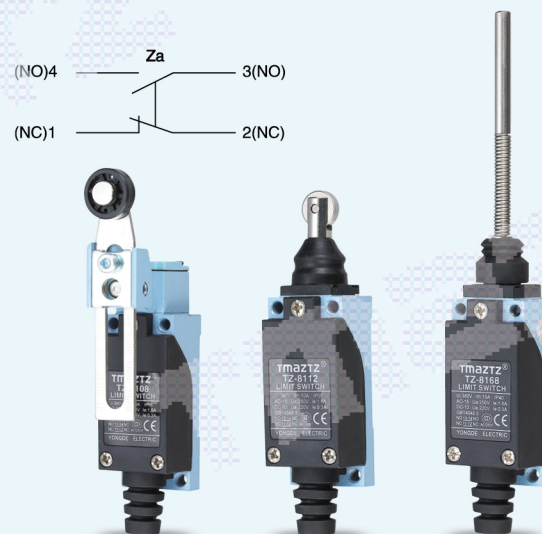


## 特征 Features

- ◎ 约本公司纵型限位开关的1/3的小型化设计
- ◎ 端子部全开放构造，便于布线
- ◎ 保护构造 IP65
- ◎ Compact new design approximately 1/3 the size of OMRON vertical Limit Switches.
- ◎ Structure enables the terminal section to be fully opened for easy wiring.
- ◎ Degree of protection: IP65

## 接触形式 Contact form



## 额定值 Ratings

额定电压 Rated voltage	非电感性负载 Noninductive Load (A)				电感性负载 Inductive Load (A)			
	电阻性负载 Resistance Load		灯泡负载 Lamp Load		电感性负载 Inductive Load		马达负载 Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	5	5	1.5	0.7	3	3	2	1
250VAC	5	5	1	0.5	3	3	1.5	0.8
8VDC	5	5	3	3	5	4	3	3
14VDC	5	5	3	3	4	4	3	3
30VDC	5	5	3	3	4	4	3	3
125VDC	0.4	0.4						
250VDC	0.2	0.2						
突入电流 Inrush Current	N.C.:24A以下, N.O.:12A以下 N.C. below 24A, N.O. below 12A							

- 注: 1、电感性负载之功率因素在0.4以上(AC)。时间常数在7msec以下(DC)。  
 2、灯泡负载之突入电流为稳定状态电流之10倍。马达负载之突入电流为稳定状态电流之6倍。  
 3、带弹簧系列产品，操作体的使用范围为从弹簧的前端到弹簧全长的1/3以内。

- NOTES: 1. Inductive load has a power factor of 0.4 min.(AC) and a time constant of 7 msec.max.(DC).  
 2. Lamp load has an inrush current of 10 times the steady-state current, while motor load has an inrush current of 6 times the steady-state current.  
 3. Product with spring, its usable range of operating part is within one third of the whole spring length from the front end of spring.

## 特性 Characteristics

操作速度 Operation speed	0.5mm至50cm/sec(锁住塞型) 0.5mm-50cm/sec
动作频率 Operating frequency	机械:120次/分 电气:30次/分 Mechanical: 120 operations/minute Electrical: 30 operations/minute
接点电阻 Contact resistance	25mΩ (mm)初期 25mΩ max. (initial value)
绝缘电阻 Insulation resistance	100mΩ以上(在500VDC下) 100mΩ min. (below 500VDC)
电介强度 Dielectric strength	非连续端子间1,000VAC, 50/60Hz持续1分钟 1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity 载流与无载电流零件间1,500VAC, 50/60Hz持续1分钟 1500VAC, 50/60 Hz for 1 minute between current-carrying and non-current-carrying metal parts 端子和接地之间1,500VAC, 50/60Hz持续1分钟 1500VAC, 50/60 Hz for 1 minute between each terminal and ground
振动 Vibration	10至55Hz, 1.5mm双振幅 10-55Hz, 1.5mm double amplitude
冲击 Shock	机械耐久:1,000m/Sec <sup>2</sup> (约100G <sup>2</sup> S) 误动作耐久:300m/Sec <sup>2</sup> (约30G <sup>2</sup> S) Mechanical durable: 1,000m/Sec <sup>2</sup> (about 100G <sup>2</sup> S) Malfunction: 300m/Sec <sup>2</sup> (about 30G <sup>2</sup> S)
周围温度 Ambient temperature	使用时:-5~+65℃ (没有结冰/With no icing)
湿度 Humidity	95%RH以下 <95% RH
使用寿命 Life	机械:10,000,000次以上 电气:500,000次以上 Mechanical: 10,000,000 operations above Electrical: 500,000 operations above
重量 Weight	约130至190g About 130 to 190g
保护构造 Degree of protection	IP65

## 动作特性 Operating Characteristics

动作特性	型号 Model	TZ-8104	TZ-8107	TZ-8108	TZ-8111	TZ-8112	TZ-8122	TZ-8166	TZ-8167	TZ-8168	TZ-8169
动作力	OF 最大 (Max)	5.88N	5.88N	7.84N	9.8N	9.8N	9.8N	0.88N	0.88N	0.88N	0.88N
回复力	RF 最小 (Min)	0.49N	0.69N	0.49N	2.94N	2.94N	2.94N	—	—	—	—
预行程	PT 最大 (Max)	20°	20°	20°	1.5mm	1.5mm	1.5mm	30mm	30mm	30mm	30mm
过行程	OT 最小 (Min)	75°	75°	75°	4mm	4mm	4mm	—	—	—	—
应差距离	MD 最大 (Max)	10°	10°	10°	1.2mm	1.2mm	1.2mm	—	—	—	—
总行程	TT 最小 (Min)	95°	95°	95°	5.5mm	5.5mm	5.5mm	—	—	—	—
动作位置	OP	—	—	—	26 ± 0.8mm			—	—	—	—

## 外观和尺寸 Appearance and Dimension

