

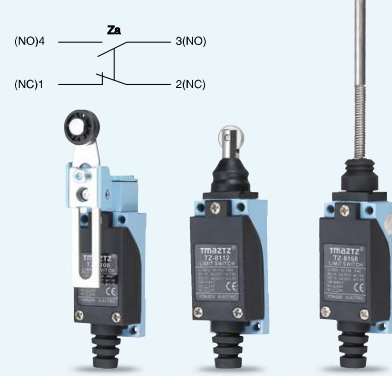
## TZ-8 限位开关 Limit Switch

**TMazTZ®**  
永得工控开关

### 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 TMazTZ 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<br>Rated voltage  | 非电感性负载<br>Noninductive Load (A)                           |                   |     |     | 电感性负载<br>Inductive Load (A) |                    |     |     |
|------------------------|-----------------------------------------------------------|-------------------|-----|-----|-----------------------------|--------------------|-----|-----|
|                        | 电阻性负载<br>Resistance Load                                  | 灯泡负载<br>Lamp Load |     |     | 电感性负载<br>Inductive Load     | 马达负载<br>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<br>Inrush Current | N.C.:24A 以下、N.O.:12A 以下<br>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 (ACI)。时间常数在 7msec 以下 (DCI)。  
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。

- NOTE 1. Inductive load has a power factor of 0.4 min (ACI) and a time constant of 7 msec (DCI)  
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.

### 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 | 37 ± 0.8mm | —       | —       | —       | —       | —       |

- 注 1、TZ8107 的动作特性是摆杆长度为 30mm 时的值  
2、TZ8108 的动作特性是摆杆长度为 R30 时的值

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### 外观和尺寸 Appearance and Dimension

