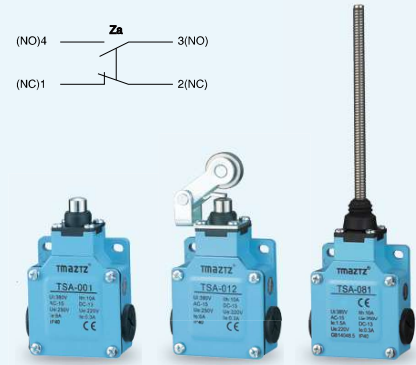
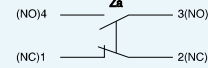


特征 Features

- 坚硬金属外壳，极大摇臂角度 ±95°
- 不锈钢滚轮，冲头及弹簧
- 导管连接器尺寸标配 M18 × 1.5
- Strong metal outer shell, swing arm max. ±95°
- Stainless steel idler wheel, punch and spring
- Selective M18x1.5 cable gland

接触形式 Contact form



额定值 Ratings

额定电压 Rated voltage	非感性负载 Noninductive Load (A)				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	NC: 24A 以下, NO: 12A 以下 N.C. below 24A, N.O. below 12A							

- 注 1、电感性负载之功率因数在 0.4 以上 (ACI)，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。

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

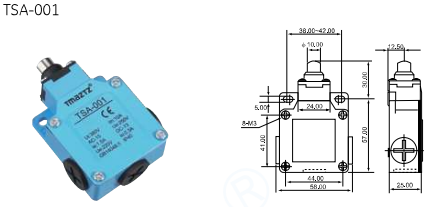
操作速度 Operation speed	5mm 至 0.5m/sec 5mm-0.5m/sec
动作频率 Operating frequency	电气: 30次/分 Electrical: 30 operations/minute
接点电阻 Contact resistance	25mΩ (初期) 25mΩ max (initial value)
绝缘电阻 Insulation resistance	100MΩ 以上 (在 500VDC 以下) 100MΩ min (at 500VDC)
电介强度 Dielectric strength	非连续端子间 1,000VAC, 50/60Hz 持续 1 分钟 1,000VAC, 50/60 Hz for 1 minute between terminals of the same polarity 载电流与无载电流零件间 1,500VAC, 50/60Hz 持续 1 分钟 1,500VAC, 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 1,500VAC, 50/60 Hz for 1 minute between each terminal and ground
振动 Vibration	10 至 50Hz, 1.5mm 双振幅 10-55Hz, 1.5mm double amplitude
冲击 Shock	机械耐久: 1,000m/Sec ² 约 100G ² S) 误动作耐久: 300m/Sec ² 约 30G ² S) Malfunction: 300m/Sec ² (about 30G ² S)
周围温度 Ambient temperature	使用时: -10~+65°C (没有结冰 With no icing)
湿度 Humidity	95%RH 以下 < 95% RH
重量 Weight	约 195 至 246g About 195 to 246g
电气寿命 Electrical life	500000 次以上 Above 500000
保护构造 Degree of protection	IP65

动作特性 Operating Characteristics

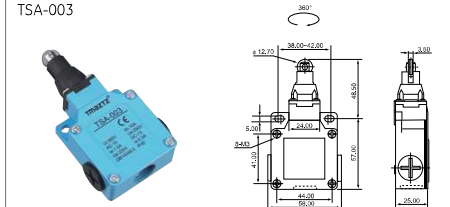
动作特性 Operating Characteristics	型号 Model	TSA-001	TSA-003	TSA-012	TSA-021	TSA-041	TSA-031	TSA-051	TSA-061	TSA-071	TSA-081
操作力 Operating force	OF 最大 [Max]	7.84N	7.84N	7.84N	3.92N	3.92N	3.92N	3.92N	1.47N	1.47N	1.47N
回弹力 Release force	RF 最小 [Min]	3.92N	3.92N	3.92N	0.98N	0.98N	0.98N	0.98N	0.49N	0.49N	0.49N
前预行程 Pre-travel	PT 最大 [Max]	1.8mm	1.8mm	1.8mm	20°	20°	20°	20°	30mm	30mm	30mm
触发位置 Tripping position	TP ± 10%	2.0mm	2.0mm	2.0mm	22.5°	22.5°	22.5°	22.5°	22.5°	22.5°	22.5°
行程移动分辨率 Movement differential	MD 最大 [Max]	1.2mm	1.2mm	1.2mm	10°	10°	10°	10°	14°	14°	14°
触后行程 Over travel	OT 最小 [Min]	4.0mm	4.0mm	4.0mm	75°	75°	75°	75°	20mm	20mm	20mm
累积总行程 Total travel	TT 最小 [Min]	5.8mm	5.8mm	5.8mm	95°	95°	95°	95°	50mm	50mm	50mm
摇臂转换角度 Rotary indexing					22.5°	22.5°	22.5°	22.5°			

外观和尺寸 Appearance and Dimension

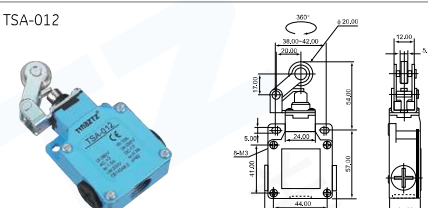
TSA-001



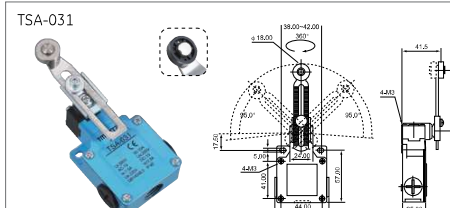
TSA-003



TSA-012

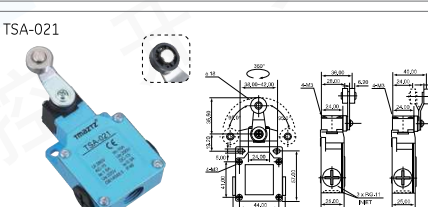


TSA-031



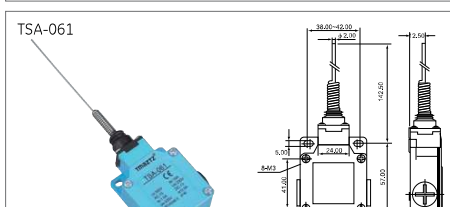
* 可选配塑料滚轮 Optional plastic roller

TSA-021

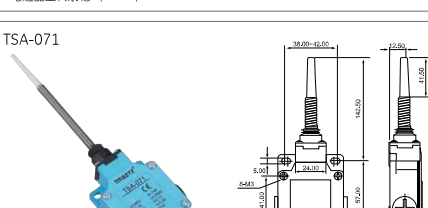


* 可选配塑料滚轮 Optional plastic roller

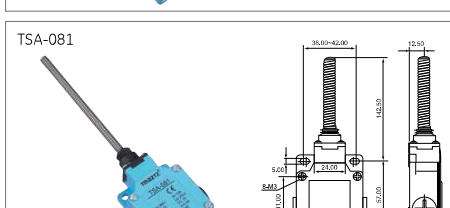
TSA-061



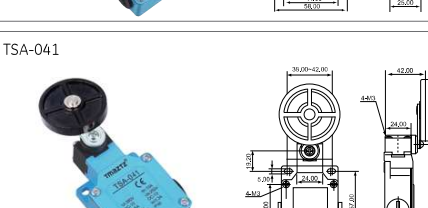
TSA-071



TSA-081



TSA-041



TSA-051

