



特点 Features

- 引动器种类多，方便使用
 - 使配线更加简易的导管设计
 - 金属外壳，高机械强度
 - 内藏触点座有双簧片设计，机械寿命长
- Various actuators for different applications
 - Conduit design for convenient cabling
 - Metal shell with high mechanical strength
 - Built-in contact box has double-spring and long mechanical life

接点型式 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 250VAC	5	5	1.5	0.7	3	3	2	1
8VDC 14VDC 30VDC 125VDC 250VDC	5	5	3	3	5	4	3	3
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.

动作特性 Operating Characteristics

型号	Model	CHL	CHL-5000	CHL-5030	CHL-5050	CHL-5100	CHL-5200	CHL-5220	CHL-5300	CHL-5330	CHL-5381	CHL-5391
操作力	Operating force	OF (最大)(Max.)	750g	750g	750g	750g	900g	900g	150g	150g	150g	550g
回弹力	Release force	RF (最小)(Min.)	100g	100g	100g	200g	200g	200g	30g	30g	30g	100g
预行程	Pre-travel	PT (最大)(Max.)	20°	20°	20°	1.8mm	1.8mm	1.8mm	30mm	30mm	30mm	20°
触发位置	Tripping position	TP ± 10%	22.5°	22.5°	22.5°	2.0mm	2.0mm	2.0mm	22.5°	22.5°	22.5°	22.5°
行程移动分辨率	Movement differential	MD (最大)(Max.)	10°	10°	10°	1.2mm	1.2mm	1.2mm	14°	14°	14°	14°
过行程	Over travel	OT (最小)(Min.)	75°	75°	75°	4.0mm	4.0mm	4.0mm	20mm	20mm	20mm	75°
总行程	Total travel	TT (最小)(Min.)	95°	95°	95°	5.8mm	5.8mm	5.8mm	50mm	50mm	50mm	95°

规格 Specifications

操作速度 Operation speed	5mm 至 0.5m/s 5mm-0.5m/s
动作频率 Operating frequency	电气: 30 次 / 分 Electrical: 30 operations/min
接点电阻 Contact resistance	25mΩ 以下 (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 载电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 ² (约 100G' S) 误动作耐久: 300m/Sec ² (约 30G' S) Mechanical durable: 1,000m/Sec ² (about 100G'S) Malfunction: 300m/Sec ² (about 30G'S)
周围温度 Ambient temperature	使用时: -20~+70°C (没有结冰) Using: -20~+70°C (With no icing)
湿度 Humidity	95%RH 以下 <95% RH
电气寿命 Electrical life	500,000 次以上 500,000 operations above
保护构造 Protection level	IP65

