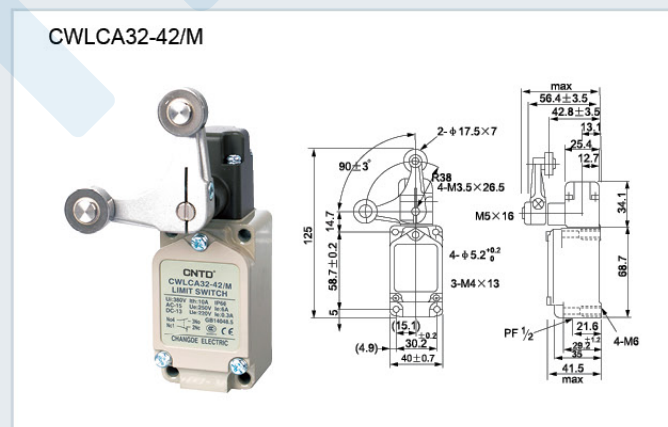
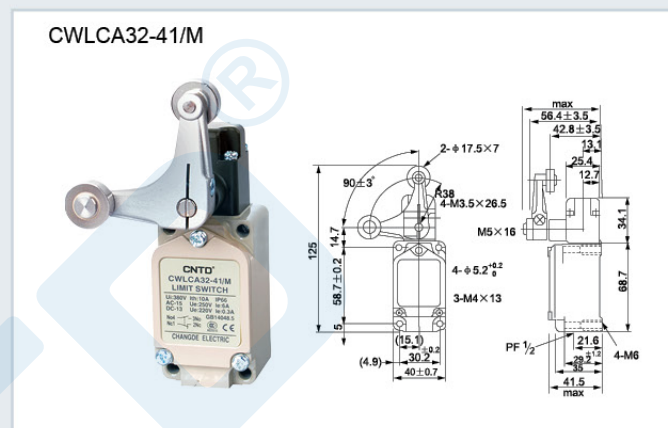
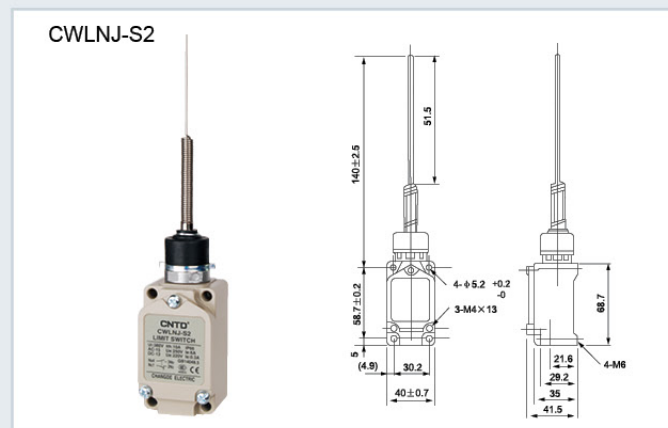
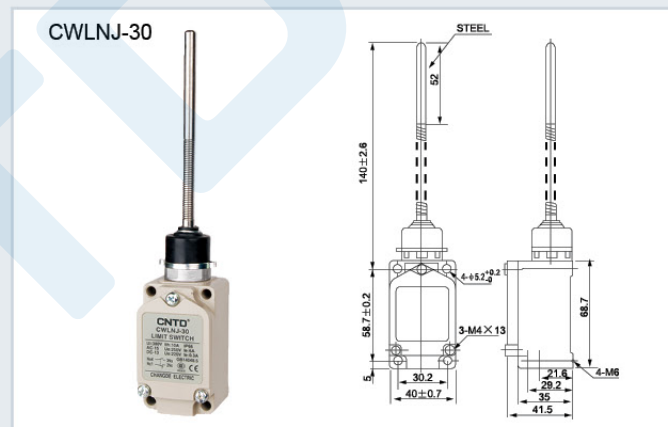
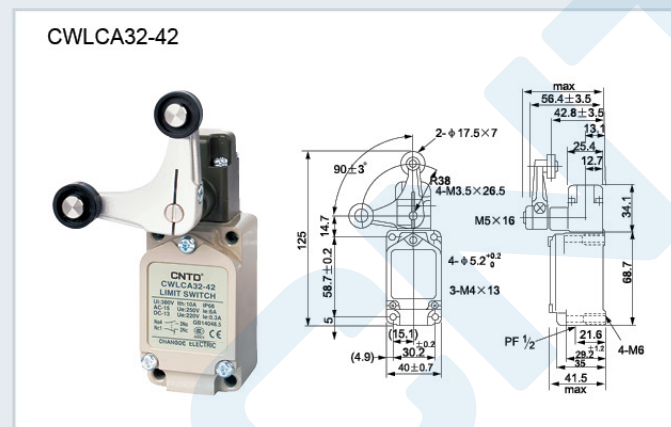
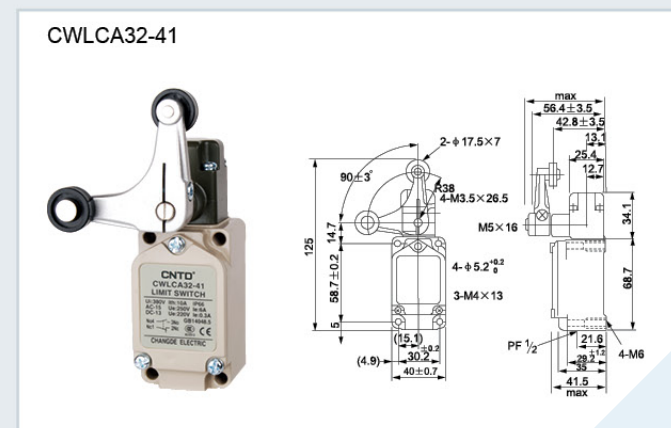
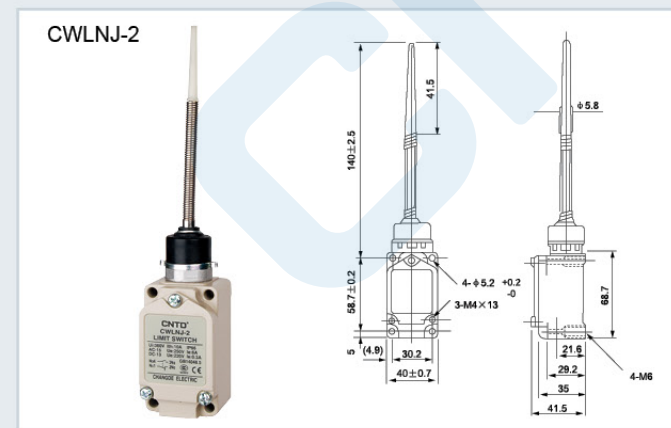
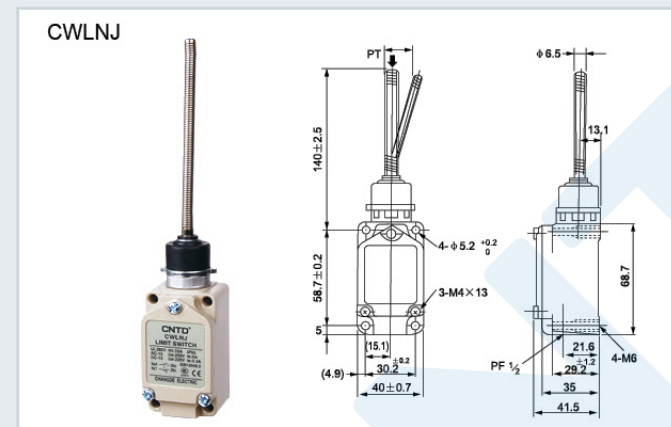




特征 Features

- 引动器种类多，方便使用
 - 容易配线之导管设计
 - 金属外壳，高机械强度
 - 内藏接点座有双簧片设计，机械寿命长
-
- A variety of actuators that is easy to use
 - Conduit design that is convenient for wiring
 - Metal shell with high mechanical strength
 - Built-in contact stand has double-spring, so it has long mechanical life

接点型式 Contact Form



规格 Specification

型号	Model	CHL	5000	5030	5050	5100	5200	5220	5300	5330	5381	5391
操作力	Operating force	OF (最大)(Max.)	750g-cm	750g-cm	750g-cm	750g-cm	900g-cm	900g-cm	150g	150g	150g	550g-cm
回弹力	Release force	RF (最小)(Min.)	100g-cm	100g-cm	100g-cm	200g	200g	200g	30g	30g	30g	100g-cm
前预行程	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°
触后行程	Over travel	OT (最小)(Min.)	75°	75°	75°	4.0mm	4.0mm	4.0mm	20mm	20mm	20mm	75°
累积总行程	Total travel	TT (最小)(Min.)	95°	95°	95°	5.8mm	5.8mm	5.8mm	50mm	50mm	50mm	95°

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, 操作件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 端子与接地之间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:-10~+70℃ (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
保护构造 Degree of protection	IP65 (IEC 规格 Standard)



外观和尺寸 Appearance and Dimension

CHL-5000

可选配金属滚轮
Optional metal idler wheel

CHL-5220

可选配金属滚轮
Optional metal idler wheel

CHL-5030

可选配金属滚轮
Optional metal idler wheel

CHL-5300

可选配金属滚轮
Optional metal idler wheel

CHL-5050

可选配金属滚轮
Optional metal idler wheel

CHL-5330

可选配金属滚轮
Optional metal idler wheel

CHL-5100

可选配金属滚轮
Optional metal idler wheel

CHL-5381

可选配金属滚轮
Optional metal idler wheel

CHL-5200

可选配金属滚轮
Optional metal idler wheel

CHL-5391

可选配金属滚轮
Optional metal idler wheel

特征 Features

- 内藏CM微动开关，及坚固的铸造铝合金外壳，并有防水、防油之密封设计
- 额定值及特性同CM微动开关
- 引动器种类多，方便使用
- 每只开关均附电缆固定器。
- 导管连接器尺寸标配M20x1.5
- Built-in CM miniature limit switch, strong aluminum cast shell, design for water-proof and oil-proof
- It is the same as CM micro switch in the rated value and characteristics
- Various of actuators that are taken convenience for using
- Each switch is equipped with cable fixator
- Standard size configuration M20x1.5 for conduit connector

接点型式 Contact Form



动作特性 Operating Characteristics

型式Models	TZ-6001	TZ-6002	TZ-6003	TZ-6004	TZ-6043
OF最大(Max.)	250~350g	250~350g	570g	570g	
RF最小(Min.)	114g	114g	170g	170g	
PT最大(Max.)	0.4mm	0.5mm	4mm	4mm	
OT最小(Min.)	5.5mm	3.6mm	6mm	6mm	
MD最大(Max.)	0.05mm	0.05mm	0.4mm	0.4mm	
OP	38.2 ± 0.8mm	49.7 ± 1mm			

型式Models	TZ-6101	TZ-6102	TZ-6103	TZ-6104	TZ-6143
OF最大(Max.)	800g	500g	640g	640g	
RF最小(Min.)	240g	100g	230g	230g	
PT最大(Max.)	2mm	1mm	5mm	5mm	
OT最小(Min.)	5mm	3.5mm	6mm	6mm	
MD最大(Max.)	0.1mm	0.12mm	0.4mm	0.4mm	
OP	45.8 ± 0.8mm	49.7 ± 0.8mm			

外观和尺寸 Appearance and Dimension

TZ-6001

可选配金属滚轮
Optional metal idler wheel

TZ-6101

可选配金属滚轮
Optional metal idler wheel