

控制電器系列 Control Series

CT-1系列微動開關Tiny Move Switch

Technical data:

引動器種類廣泛,且有動作位置可調整之設計
(如CM1701)

高開閉容量(15A)

高精確度

廣泛操作速度範圍

CM系列每一型式具有焊接端子,螺絲端子與快速端子可供選擇
型號後面加A則為焊接端子,加C則為快速端子,空白則為螺絲端子

Leading to move machine has many categories, action
position is adjustable(such as CM1701)

High switch on and off capacity(15A)

High accuracy

Wide range of operation speed

Every model of CM series has weld terminal, screw and
quick speed terminal are selective.

The model with A is weld terminal, with C is quick speed terminal,
blank is screw terminal.

勝特力材料 886-3-5753170

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額定值Rated value

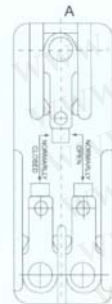
額定電壓 Rated voltage	非電感性負載 Nonelectrical carry				電感性負載(A) Electrical carry				突入電流(A) Current	
	電阻性負載 Resistance carry		燈泡負載 Bulb carry		電感性負載 Electrical carry		馬達負載 Motor carry			
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
125VAC	15		3	1.5	15		5	2.5	30 以下	15 以下
250VAC	15		2.5	1.25	15		3	1.5		
500VAC	3		1.5	0.75	2.5		1.5	0.75		
8VDC	15		3	1.5	15		5	2.5		
14VDC	15		3	1.5	10		5	2.5		
30VDC	6(2)		3	1.5	5		5	2.5		
125VDC	0.4		0.4	0.4	0.05		0.05	0.05		
250VDC	0.2		0.2	0.2	0.03		0.03	0.03		

接點構成The contact forming

螺絲端子
Screw terminal



焊接端子
weld terminal



快速端子
Rapid terminal



特性Characteristics

操作速度 Operation speed	0.01mm至1mm/sec(鎖住塞型) 0.01mm-1mm/sec
動作頻率 Action frequency	機械:240次/分電氣:20次/分 Mechanically: 240 times/minute Electrically: 20 times/minute
接點電阻 Contact resistance	15mmΩ以下(初期) 15mmΩ below(initial)
絕緣電阻 Insulation resistance	100MΩ以上(在500VDC以下) 100mΩ above (at 500VDC below)
耐電壓 Bearing voltage	非連續端子間:1,000VAC, 50/60Hz持續1分鐘 載流零件與接地間:2,000VAC, 50/60Hz持續1分鐘 Noncontact terminal: 1, 000VAC, 50/60Hz for one minute Current parts and noncurrent parts: 2, 000VAC, 50/60Hz for one minute
振動Vibration	(*10至20Hz): 1.5mm 雙振幅誤動作耐久: 10至55Hz (*10 to 20hz): 1.5mm pairs swing action: 10 to 55Hz, 1.5mm pairs swing
衝擊Hitting	機械耐久:1,000m/Sec'(約100G' S) 誤動作耐久:300m/Sec'(約30G' S) Machine: 1, 000m/Sec'(about 100g's) Action: 300m/Sec'(about 30g's)
周圍溫度 Ambient temperature	泛用型: -25°C至+80°C密封型: -15°C至+80°C Common type: -25°C to +80°C Sealed type: -15°C to +80°C
濕度Humidity	泛用型: 85%RH以上密封型: 95%RH Common type: 85%RH above Sealed type: 95%RH
使用壽命 Serve life	機械:20,000,000次以上電氣:500,000次以上 Mechanically: 20,000,000 times above Electrically: 500,000 times above
重量Weight	約22至58g About 22 to 58g

接點構成The contact forming

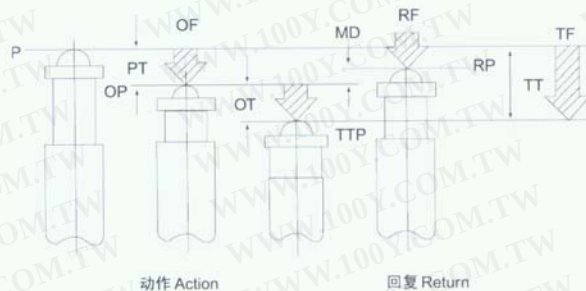


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動作特性Action Characteristics

型式Models	CT1300	CT1301	CT1303	CT1305	CT1306	CT1307	CT1308	CT1309	CT1701	CT1702	CT1703	CT1704	CT1705	CT1743
OF(Max.)最大	350g	300g	300g	350g	350g	350g	350g	350g	70g	100g	160g	160g	10g	160g
RF(Min.)最小	114g	50g	50g	114g	114g	114g	114g	114g	14g	28g	22g	42g	3g	42g
PT(Max.)最大	0.4mm	4mm	4mm	0.4mm	0.4mm	0.4mm	0.4mm	0.4mm	10mm	5mm	7.1mm	2.7mm	20mm	2.7mm
OT(Min.)最小	0.13mm	1.6mm	1.6mm	1.6mm	1.6mm	5.5mm	3.58mm	3.58mm	5.6mm	2mm	4mm	2.4mm	5.6mm	2.4mm
MD(Max.)最大	0.05mm	1.3mm	1.3mm	0.05mm	0.05mm	0.05mm	0.05mm	0.05mm	1.27mm	1mm	1.02mm	0.5mm	3mm	0.5mm
FP(Max.)最大		20.6mm	31.8mm						28.2mm	24.8mm	36.5mm	32.5mm		43.6mm
OP(mm)	15.9±0.4	17.4±0.8	28.6±0.8	28.2±0.5	21.5±0.5	21.8±0.8	33.4±1.2	33.4±1.2	19±0.8	19±0.4	30.2±0.8	30.2±0.4	19±0.4	43.1±0.8

動作特性Action characteristics



- | | |
|--------------|------------------------------|
| OF: 動作所需之力 | OF: Action force |
| RF: 回復力 | RF: Return force |
| TF: 整個移動所需之力 | TF: Total force |
| FP: 自由位置 | FP: Free position |
| OP: 動作位置 | OP: Action position |
| RP: 回復位置 | RP: Reply position |
| TTP: 整個移動之位置 | TTP: Total transfer position |
| PT: 至動作為止之移 | PT: To the action transfer |
| OT: 動作後之移動 | OT: Move after operating |
| MD: 距差 | MD: Middle distance |
| TT: 整個移動 | TT: Total transfer |

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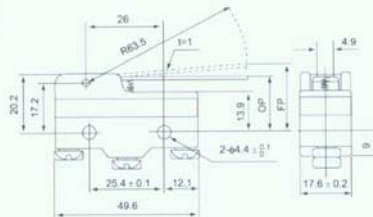
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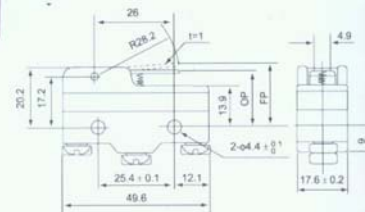
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外觀和尺寸 Appearance and Dimension

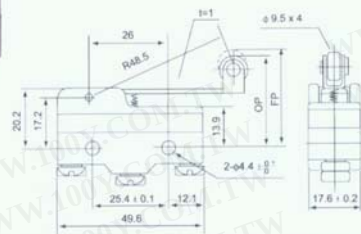
CT-1701



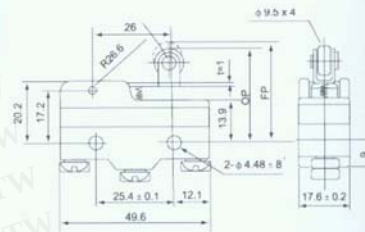
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CT-1703



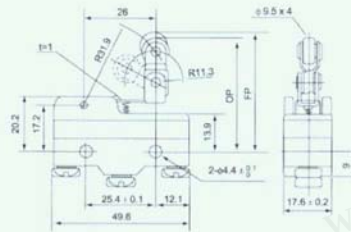
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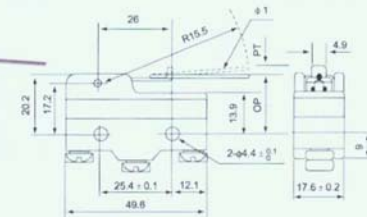
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外觀和尺寸 Appearance and Dimension

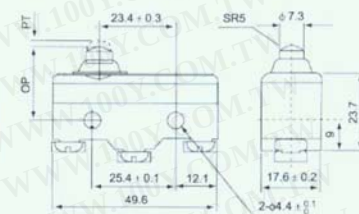
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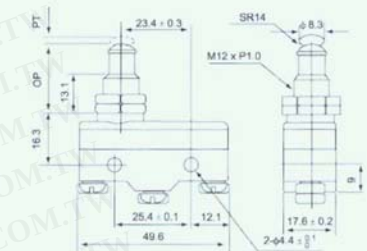
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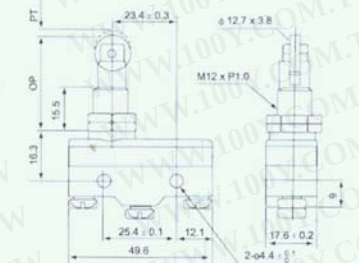
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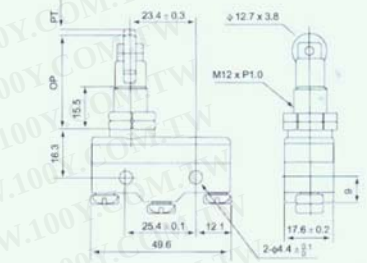
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CT-1308



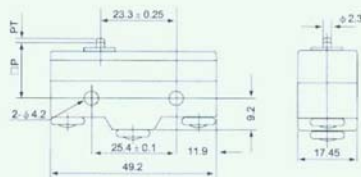
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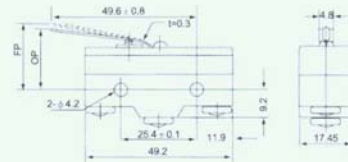
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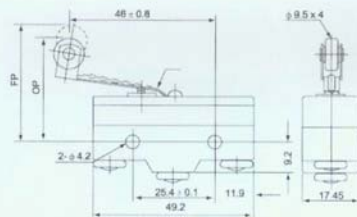
CT-1300



CT-1301



CT-1303



CT-1305

