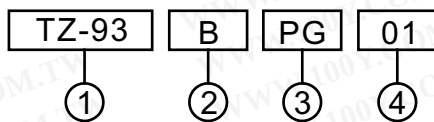




MODEL DESIGNATION



Designation	Signal	Description
1. Type	TZ-93	Safety switch
2. Type of Contact Block Fitted	B C	2b 1a1b
3. Conduit Entries	PG PT	PG13.5xP1.5 PT1/2x14UNC
4. Actuating keys	None 01 02 03	None Horizontal Vertical Adjustable

SPECIFICATIONS

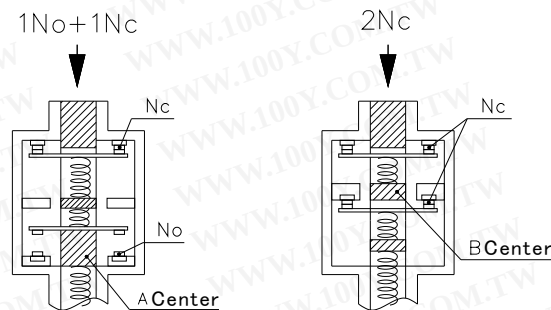
RATINGS

Rated Voltage (V)	Non-inductive load(A)				Inductive load(A)			
	Resistive load		Lamp load		Inductive load		Motor load	
	NC	NO	NC	NC	NC	NO	NC	NO
125VAC	10	3	1.5		10	5	2.5	
250VAC	10	2	1		10	3	1.5	
400VAC	10	1.5	0.8		3	1.5	0.8	
8VDC	10	6	3		10	6		
14VDC	10	6	3		10	6		
30VDC	6	4	3		6	4		
125VDC	0.8	0.2	0.2		0.8	0.2		
250VDC	0.4	0.1	0.1		0.4	0.1		

CHARACTERISTICS

Rating	3A 240VAC, (A300)
Operating speed	0.1m~0.5m/s
Operating frequency	30 times/minute
Contact resistance	25mΩ max.(initial)
Insulation resistance	100MΩ min. (At 500VDC)
Rated insulation vantage(Ui)	400V
Dielectric strength	AC2500V/Ump 4KV
Vibration	10~50Hz, 0.65mm double amplitude
Shock	Mechanically: Approx.1,000m/s²(Aprox. 100G`s) Electrically: Approx 300m/s²(Aprox. 100G`s)
Ambient temperature	-30°C~+70°C
Ambient humidity	Below 95%RH
Service life	Mechanically: 10,000,000 operations/min Electrcally: 150,000 operations/min.
Degree of protection	IP65(EN60947-5-1)
Shor-circuit protective device	10A fuse
weight	Approx. 76g

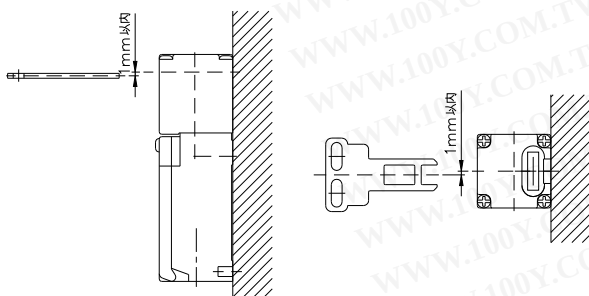
REQUIRED TO HAVE POSITIVE MACHINE



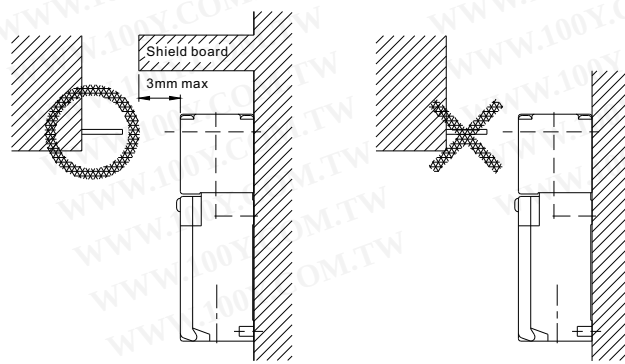
When the contact block get fire, press on the middle of the key structure, the Nc strict leaving structure can push the contact block a way cut off the movement. ⊖

USE ATTENTION AFFAIR

- To prevent the wear and the space should be within 1 mm between the key and middle of the insert hole.



- When in use, there should put a plate on the top to prevent the key overinsert. To prevent nonmovement, the space between the plate and the switch should be under 3 mm.

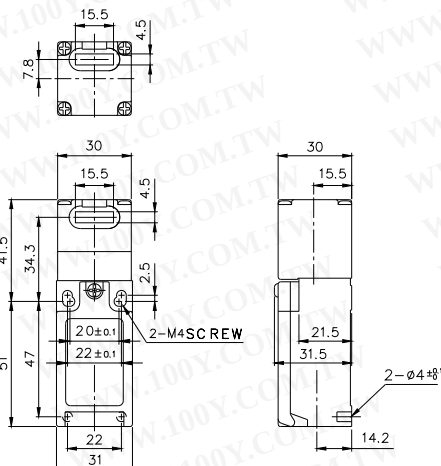


Normal used state

Unsuitable used state

DIMENSIONS

TZ-93BPG
TZ-93BPT
TZ-93CPG
TZ-93CPT

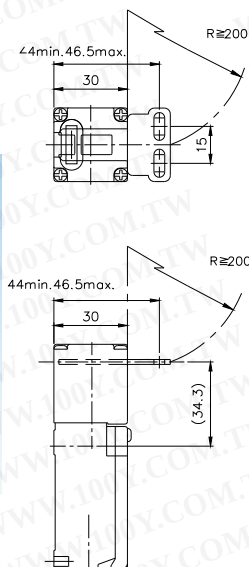


OPERATING CHARACTERISTICS

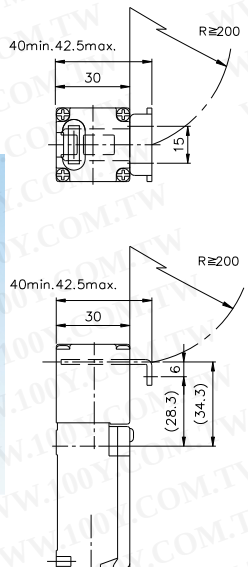
Key plug in force	max.	14.71N(1,500gf)
Key pull out force	max.	29.42N(3,000gf)
Pre travel		6±3mm
Total travel		(28mm)
Force required to have positive	min.	58.84N(6,000gf)
Positive opening travel	min.	10mm

DIMENSIONS OF OPERATING

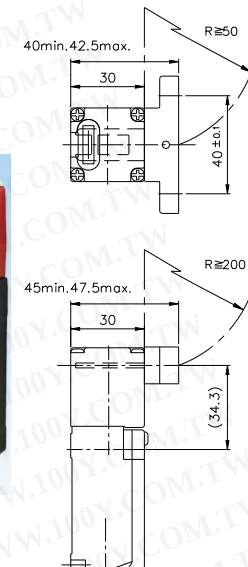
TZ-93BPG01
TZ-93BPT01
TZ-93CPG01
TZ-93CPT01



TZ-93BPG02
TZ-93BPT02
TZ-93CPG02
TZ-93CPT02

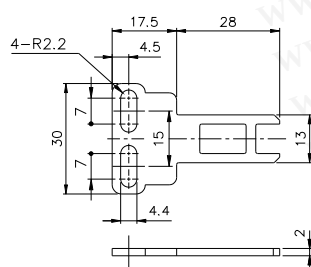


TZ-93BPG03
TZ-93BPT03
TZ-93CPG03
TZ-93CPT03

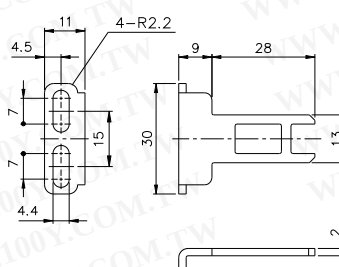


TYPE OF KEYS AND DIMENSIONS

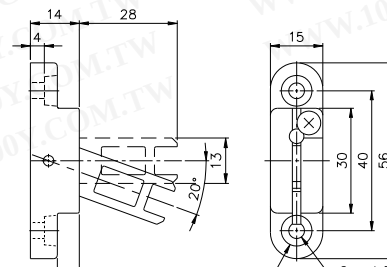
TZ93-K1



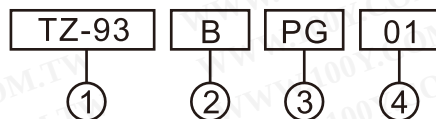
TZ93-K2



TZ93-K3



型號說明



項次	代號	說明
1. 型號	TZ-93	門式安全開關
2. 接點型式	B C	2b 1a1b
3. 接線口徑牙徑	PG PT	PG13.5xP1.5 PT1/2x14牙/吋(英制牙)
4. 鑰匙型式	空白 01 02 03	無附鑰匙 平鑰匙 90°鑰匙 擺動鑰匙

特性

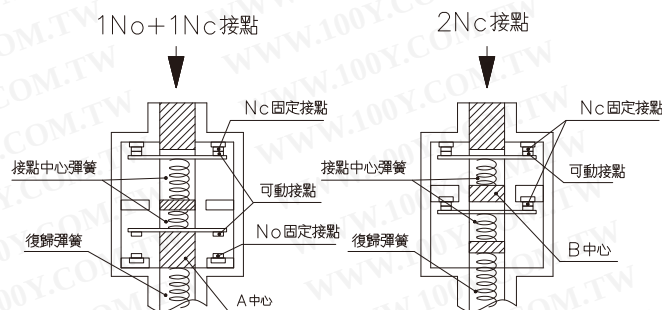
操作速度	0.1m~0.5m/s
動作頻率	30次/分以下
接點電阻	25mΩ 以下
絕緣電阻	100MΩ 以上(在500VDC以下)
絕緣電壓	400V
耐電壓	AC2500V/Uimp 4KV
振動	誤動作耐久: 10~50Hz, 0.65mm振幅
衝擊	機械耐久: 1,000m/s ² ~以上(約100G以上) 誤動作耐久: 300m/s ² ~以上(約30G以上)
使用周溫	-30°C~+70°C
濕度	最大95%RH
使用壽命	機械: 100萬次以上 電氣: 15萬次以上
防水等級	IEC規格: IP65
短路保護裝置	保險絲10A
重量	約76g

規格

● 額定值

型號	IEC60947-5-1規範		Ith	額定操作電壓(Ue)	
				120V	240V
TZ-93B	AC15	A300	10A	6A	3A
TZ-93C	AC15	A300	10A	6A	3A

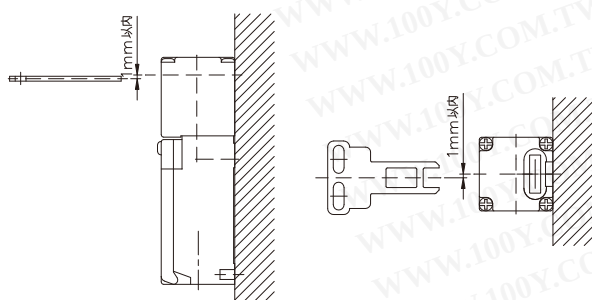
強制脫離機構



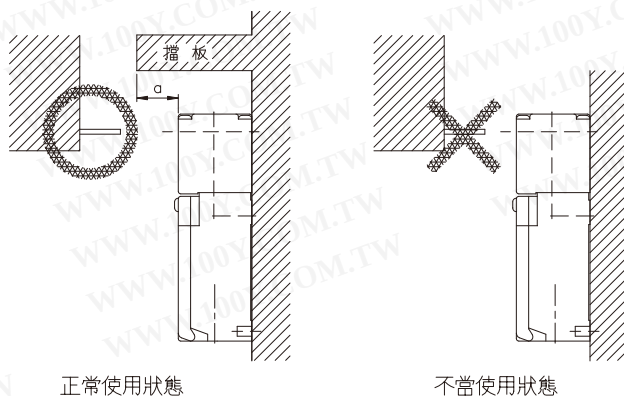
NC接點的強制脫離機構,作用是當接點發生熔著時,下壓鑰匙機構中心時,可將接點強制推開,使回路切斷。
(EN60947-5-1強制脫離認定)

使用注意事項

- 鑰匙與插入孔之中心上下左右位置應在1mm以內,以避免機構磨耗和破壞。

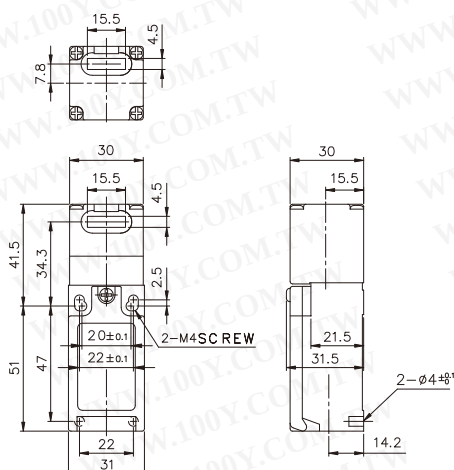


- 使用開關時,應於上方設置一擋板,以防止鑰匙過於插入使機構損壞。而擋板與開關間a之距離應在3mm以下,以防止不動作。



■外觀和尺寸

TZ-93BPG
TZ-93BPT
TZ-93CPG
TZ-93CPT



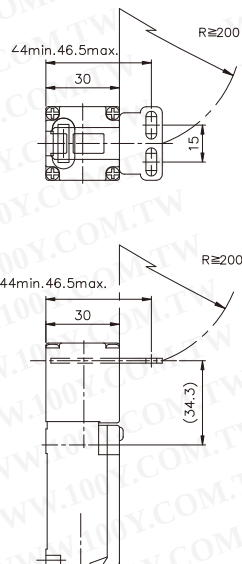
●動作特性

操作插入力量	最大	14.71N(1,500gf)
操作抽出力量	最大	29.42N(3,000gf)
動作距離		6±3mm
總行程		(28mm)
強制脫離力	最小	58.84N(6,000gf)
強制脫離距離	最小	10mm

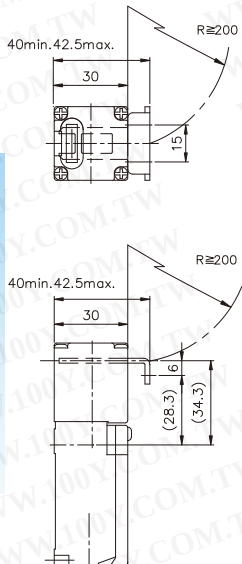
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

■操作之尺寸

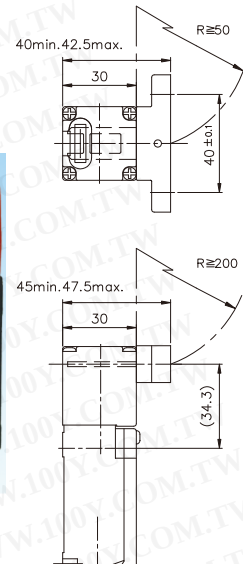
TZ-93BPG01
TZ-93BPT01
TZ-93CPG01
TZ-93CPT01



TZ-93BPG02
TZ-93BPT02
TZ-93CPG02
TZ-93CPT02

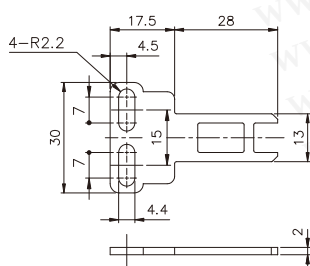


TZ-93BPG03
TZ-93BPT03
TZ-93CPG03
TZ-93CPT03

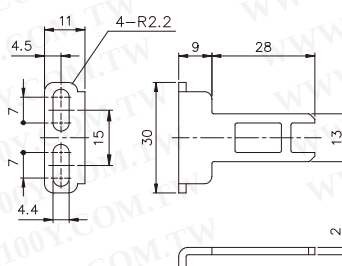


■鑰匙種類及尺寸

TZ93-K1



TZ93-K2



TZ93-K3

