



### 軒立電子(深圳)有限公司

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Room 1207 Building 1 , GongTou Hi-Tech Pioneer Park ,  
No. 483 Chang Xu Road ,Gusu District , Suzhou City ,  
Jiangsu Province



IP 67  
ACCORDING TO  
EN 60529: 1989+A1:20  
IEC 60529:2001



TACLEX ELECTRONICS CO., LTD.



**TACLEX**  
TACLEX ELECTRONICS CO., LTD.

# SWITCH SOLUTION

Vision , Touching  
Taclex is the best choice!



www.taclex.com



## COMPANY PROFILE

### > 公司簡介

TACLEX成立於1997年，我們一直致力於開關的研發與製造，我專業生產各式程式開關、微動開關、輕觸開關、更逐漸延伸到其他精密開關產品如，滑動開關、偵測開關、搖頭開關、翹板開關、按鍵開關、旋轉開關、鑰匙開關、以及帶燈開關及連接器等。憑藉著持續累積的研發實力，生產技術，及市場行銷經驗，堅持供給客戶優質的產品，快速的交期和專業的技術支援與服務。

Taclex electronics co., ltd. established in 1985, specializes in producing and developing Dip switches, Tactile switches, and other precision switches, such as Slide switches, Detection switches, Toggle switches, Rocker switches, Key switches, Push & Lever switches and Rotary switches. By virtue of our continuously accumulated innovation, developed technique, and marketing experience. Taclex persist in providing our customer with reliable quality, flexible lead time, professional technique support and customer-oriented service.



### 關於軒立競爭優勢

#### TACLEX STRENGTHS

##### 產品線

- 1.工廠全自動化比例高達80%以上
- 2.除自主工廠外另擁有多家，加工、代工協力廠商佈及中國多省、東南亞
- 3.指撥開關、輕觸開關、滑動開關、偵測開關產量全球前10

##### 國際認證

取得TS-16949、ISO14001、QC08000等認證，軒立所有產品皆符合無鉛、無鹵規範要求

##### 核心競爭力與國際品牌代理

擁有垂直交叉整合核心技术力(產品研發、電鍍、模具及設備加工、金屬沖壓、塑膠射出、自動化設備) Taclex在自製品的開發外也走向國際化、整合了更多具有優勢的國際品牌

- 1.MITSUMI Connector, EPSON RTC, MARUWA EMI, ALPSSW, VR
- 2.一站式的採購方式、結合台系及日系的優勢產品。
- 3.TACLEX擁有更多資源，我們將迎接各總挑戰。

##### Production Line

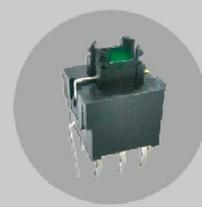
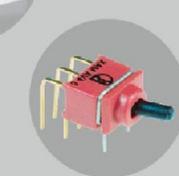
Manufactory Auto machine exceed 80%  
 We have many match factory and OEM factory  
 Dip Switch, Tactile Switch, Slide Switch, Detector Switch  
 Production in the global top 10

##### Quality Assurance

TS-16949a ISO14001 and QC08000 certified and all of products are RoHS& Halogen free compliant.  
 The core competitiveness and international brand  
 With vertical cross integrated core technology power product research and development, plating, machining, metal stamping, plastic injection mould and equipment, automation equipment)  
 Taclex outside the products development towards internationalization, also integrates more advantages of

##### International brand

1. The MITSUMI Connector, EPSON RTC, MARUWA EMI, ALPSSW, VR
2. One-stop purchasing way, combined with the system and the advantage of Japanese products.
3. TACLEX had more resources, we will meet all challenges.



我們製造出有競爭力的開關  
We made competitive switches

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	16	 6x6 Tact Switch Series				
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	40	 Navigation Switches Series		

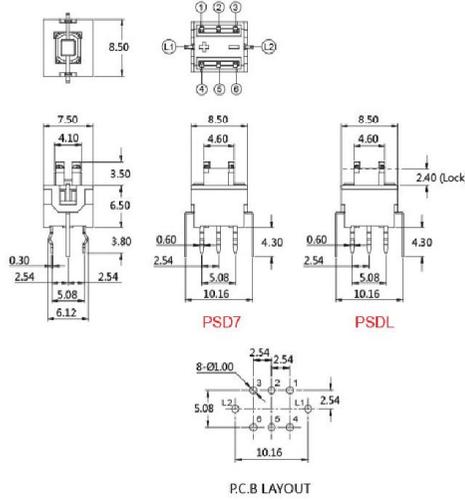
PSD Series

NEW



SPECIFICATIONS

Circuit :DPDT  
 Rating :0.1A, DC30Vmax/100ma, DC1.5Vmin  
 Contact resistance : 50 mΩ max.  
 Insulation resistance : 100 mΩ  
 Electrical life :50,000 cycles  
 Actuation force :250 ± 100gf  
 Travel:1>full travel : 1.5 ± 0.4mm  
 2>contact travel : 1.0 ± 0.4mm  
 Operating temperature range : -20°C to 70°C

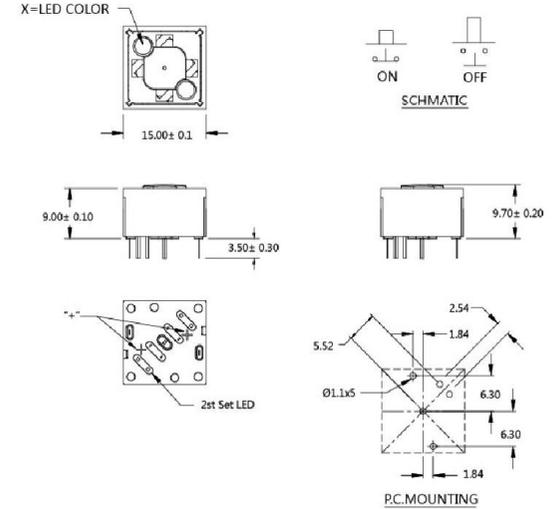


KS Series



SPECIFICATIONS

Contact rating: 100 Max 42 VAC/DC,  
 Contact resistance:100 mΩ max.(initial)  
 Insulation resistance:1000 mΩ min  
 Dielectric strength: 1000V AC  
 Mechanical life: 1,000,000cycles

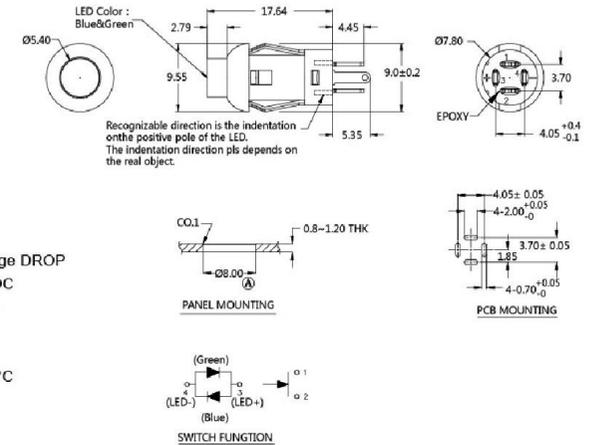


PBL Series



SPECIFICATIONS

Contact rating: 30V DC,0.1A  
 Contact resistance: 50mΩ max. 1.5V DC  
 100 mA By Method of volttge DROP  
 Insulation resistance: 100 mΩ min.500VDC  
 Dielectric strength: 500 VAC for 1 minute  
 Operating force : 250±100gf  
 Operating life: 50,000cycles  
 Operating temperaturer range: - 40°C~85°C  
 Total travel: 1.2±0.3mm PBL Series

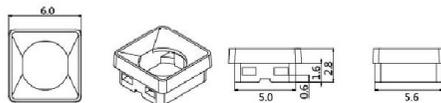
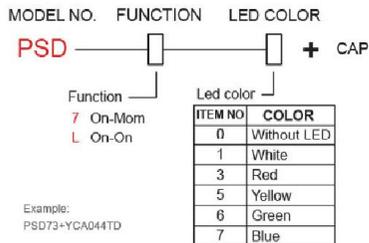


PSD Caps

NEW

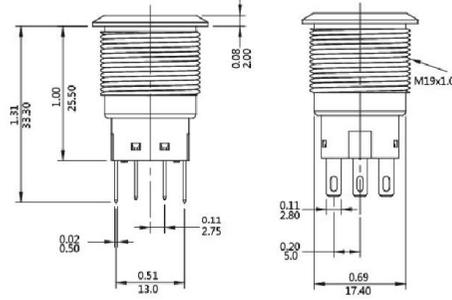


CAP OPTION	Adapter (YCB002)	Cap		
Transparent with Diffuser	YCA044TD	YCA043TD	—	—
Transparent	YCA044T	YCA043T	—	—
Ice	—	—	YCAD45A	YCAD46A
Snow	—	—	YCAD45B	YCAD46B
Transparent Black	YCA044C	YCA043C	—	—
White	YCA0444	YCA0434	—	—



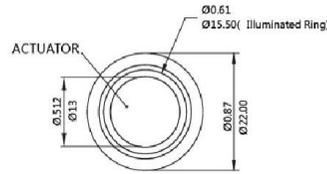
**190 Series**

**NEW**



**SPECIFICATIONS**

Rating : 1th 5A/250VAC resistive load 3A/250VAC  
 Resistance : 50 mΩ max. @ 1A 12VDC (initial value)  
 Insulation Resistance : 1,000 MΩ min. at 500VDC  
 Dielectric Strength : 2,000V RMS @ sea level  
 Operation Temperature : -20°C to 55°C  
 Mechanical Life : Momentary 1,000,000 cycles  
 Self-lock 500,000 cycles  
 Electrical Life : 50,000 make-and-break cycles at full load  
 Operation Pressure : 1Pole 1.5~2.5N / 2Poles 2.2~3.5N  
 Travel : About 3.2mm  
 Ingress protection : IP67, IK10(Stainless)



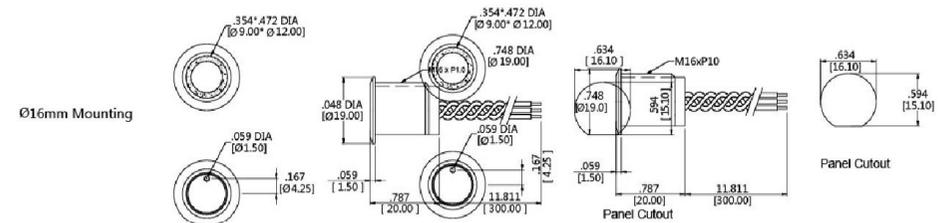
**Touch Key Switch Series**

**NEW**



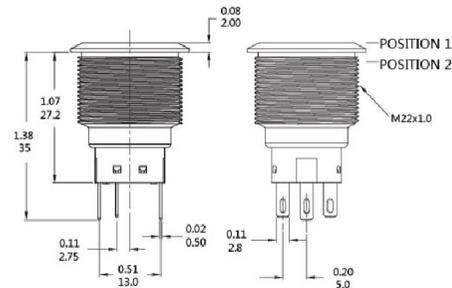
**SPECIFICATIONS:**

Contact rating: 200MA @ 5~30VDC. 1.5A  
 Electrical life: 1 million cycles  
 Contact resistance: 20m-ohms max  
 Insulation resistance: 600Vdc 10m-ohms min  
 ESD resistance: ± 2KV (25 contact) / ± 8KV (25 air discharge)  
 Operating temperature: -40°C to +125°C  
 Impact resistance protection: IK02 (pc) / IK10 (metal)  
 Water-proof protection: IP68  
 UV resistance: UVA / UVB



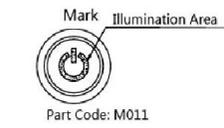
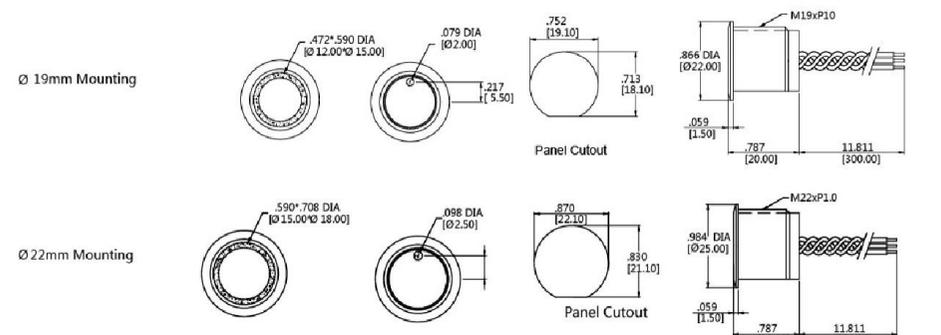
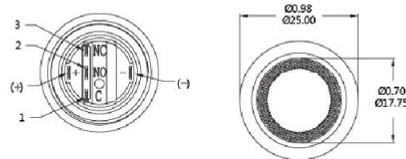
**220 Series**

**NEW**



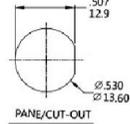
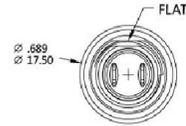
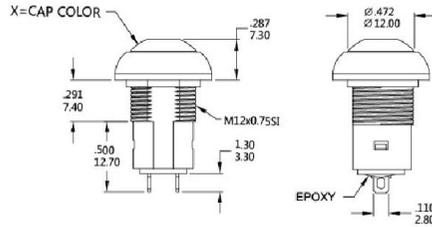
**SPECIFICATIONS**

Rating : 1th 5A/250VAC resistive load 3A/250VAC  
 Contact resistance : 50mΩ max. @ 1A12VDC(initial value)  
 Insulation resistance : 1,000 mΩ min. at 500VDC  
 Dielectric strength : 2,000V RMS@ sea level.  
 Operation temperature : -20°C to 55°C  
 Mechanical life : Momentary 1,000,000 cycles  
 Self-lock 500,000 cycles  
 Ingress protection : IP67, IK10(Stainless)



Mark options									
Ordering Code									
1	2	3	4	5	6	7	8	9	10
001	002	003	004	005	006	007	008	009	010
011	012	013	014	015	016	017	018	019	020
021	022	023	024	025	026	027	028	029	030

### PA Series

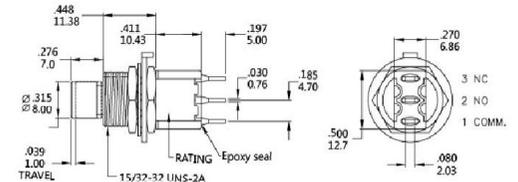
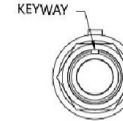


X-CAP COLOR	
1	White
2	Black
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

#### SPECIFICATIONS

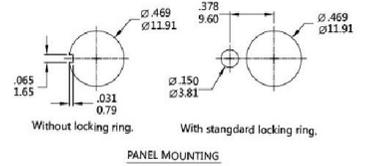
Mechanical Life: 1,000,000 cycles  
 Contact Resistance: 50mΩ max  
 Insulation Resistance: 1GΩ min. at 500VDC  
 Dielectric Strength: 1,000 VAC RMS  
 1,500 VAC RMS for metal material  
 Operating Temperature: - 30°C to 85°C  
 Rating: 100mA 24VDC/100mA 50VDC  
 125mA 125VAC/400mA 32VAC/2A 125VAC

### 7M Series

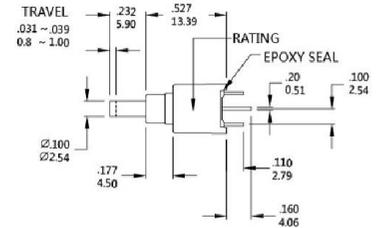
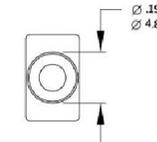


#### SPECIFICATION

Mechanical Life: 50,000 cycles  
 Contact Resistance: 20 mΩ max. initial@2-4VDC  
 Insulation Resistance: 1000 mΩ min  
 Dielectric Strength: 1000Vrms min. @ sea level  
 Operating Temperature: - 30°C to 85°C  
 Rating: Silver: 3A 120VAC or 28VDC/1A 250VAC  
 Gold: 0.4A max. @ 20V max. (AC or DC)

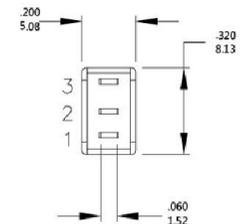


### 8A Series

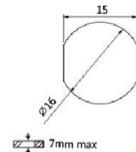
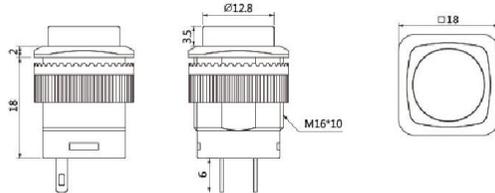


#### SPECIFICATION

1. Mechanical Life: 50,000 cycles  
 2. Contact Resistance: 20 mΩ max. initial@2-4VDC  
 3. Insulation Resistance: 1000 MΩ min  
 4. Dielectric Strength: 1000Vrms min. @ sea level  
 5. Operating Temperature: - 30°C to 85°C  
 6. Rating: Silver: 3A 120VAC or 28VDC/1A 250VAC  
 Gold: 0.4A max. @ 20V max. (AC or DC)



### R13-508 Series



Rating	
3A 125V AC	
1.5A 250V AC	
Contact resistance	
50m Ω Max	
Insulation resistance	
DC500v-100M Ω Min	
Dielectric strength	
AC1500v 1minute	
Cut-out	

#### SPECIFICATION

Rating: 3A 125VAC/1.5A 250VAC  
 Material: Frame is nylon with glass fiber (UL flame: 94V-2)  
 Terminals are silver plated brass.  
 Illuminated actuator are molded in PC, available with red, amber, green, blue and white colors.  
 Mounted by nut.

PUSH SWITCH

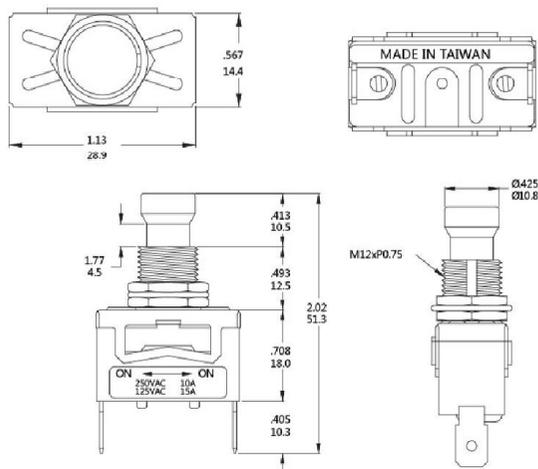
PUSH SERIES

PUSH SWITCH

PUSH SERIES

### PA7 Series

PUSH SWITCH



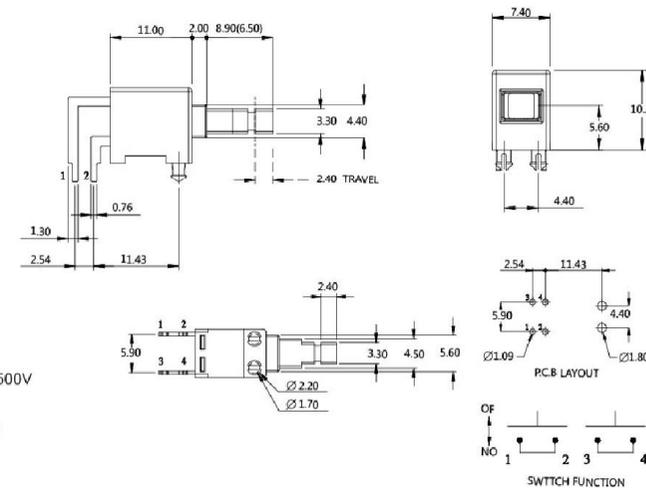
#### SPECIFICATION

Rating: 10A 250VAC, 15A 125VAC  
Insulation resistance: DC 500V 200MΩ or more  
Contact resistance: DC 24V 1A 20MΩ or less  
Withstand voltage: AC 1500V OR MORE

PUSH SERIES

### HB-001 Series

PUSH SWITCH

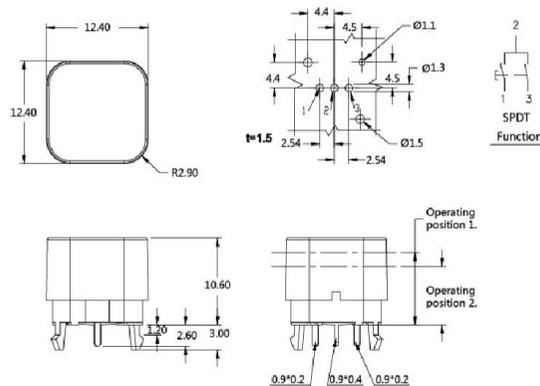


#### SPECIFICATION

Function: OFF-ON(LOCK)  
Rating: 2A 30VDC  
Contact Resistance: 30MΩ MAX  
Insulation Resistance: 500mΩ min/500V  
Electronics Life Test: 6,000 cycles  
Mechanical Life Test: 30,000 cycles

PUSH SERIES

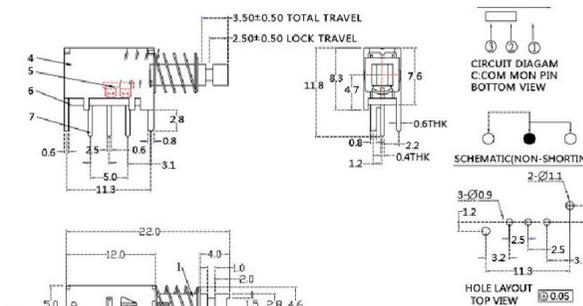
### PS3001/3002 Series



#### SPECIFICATIONS

Electrical Life: 20,000 cycles  
Contact / Terminals: Brass plated  
Operating Speed: 10mm / sec.  
-Rating: 30mA / 28VDC

### PS Series



#### SPECIFICATION

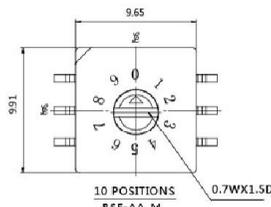
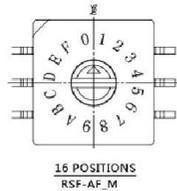
Rating: 10-500mA /30- 50VDC(Or other special)  
Contact resistance: 100 mΩ  
Insulation Resistance: 100VDC 1Min 100 mΩ  
Withstand Voltage: 500VAC 1Min 0.5mA 1Min  
Operating Force: 200/250/450gf ±100gf  
Life test: 10,000 Cycle 15-18 cycle/M

## 10x10 Series

NEW

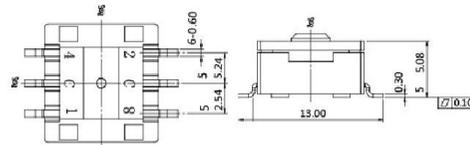


IP67



		CODE													
		C	1	2	4	8									
10 POSITIONS RSF-AA_M	0	●	●	●	●	●									
	1	●	●	●	●	●									
	2	●	●	●	●	●									
	3	●	●	●	●	●									
	4	●	●	●	●	●									
	5	●	●	●	●	●									
	6	●	●	●	●	●									
	7	●	●	●	●	●									
	8	●	●	●	●	●									
	9	●	●	●	●	●									
16 POSITIONS RSF-AF_M	0	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	2	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	3	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	7	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	9	●	●	●	●	●	●	●	●	●	●	●	●	●	●

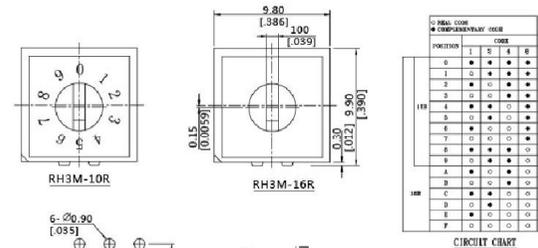
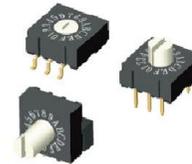
CIRCUIT CHART



### SPECIFICAIONE

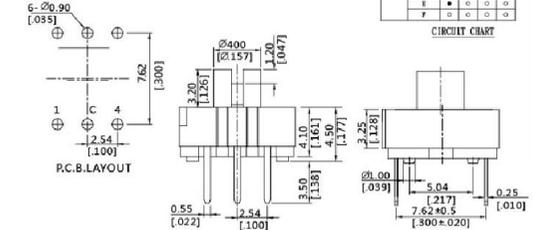
- Maximun rating:50VDC, 100MA
- Minimun rating:20mVDC,1μa
- Contact resistance: 80mΩ
- Insulation resistance:100VDC-1000mΩ min.
- Withstand voltage:250VAC-1 minute
- Rotary torque:144-432 gf.cm
- Total rotary angle:360°(10 or 16 steps)
- Life cycle:20,000 steps

## RH/RV/RM Series



### SPECIFICATIONS

- Mechanical Life: 20,000 operations
- Operation Force: 400gf.cm max
- Operation Temperature: -25°C to 80°C
- Switching Rating: 25mA, 24VDC Steps: 10,16 Steps
- Terminal Type: Through Hole/SMT
- Right Angle/Kink pin

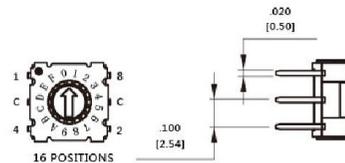
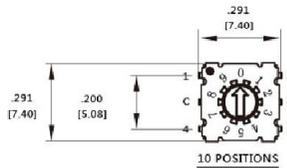


## 7x7 Series

NEW



IP67



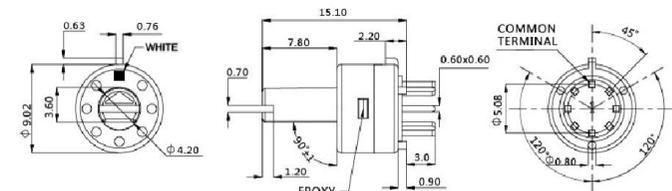
		Real Code												
		C	1	2	4	8								
10 POSITIONS	0	●	●	●	●	●								
	1	●	●	●	●	●								
	2	●	●	●	●	●								
	3	●	●	●	●	●								
	4	●	●	●	●	●								
	5	●	●	●	●	●								
	6	●	●	●	●	●								
	7	●	●	●	●	●								
	8	●	●	●	●	●								
	9	●	●	●	●	●								
16 POSITIONS	0	●	●	●	●	●	●	●	●	●	●	●	●	●
	1	●	●	●	●	●	●	●	●	●	●	●	●	●
	2	●	●	●	●	●	●	●	●	●	●	●	●	●
	3	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	●	●	●	●	●	●	●	●	●	●	●	●	●
	7	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	●	●	●	●	●	●	●	●	●	●	●	●	●
	9	●	●	●	●	●	●	●	●	●	●	●	●	●

Actuator Color: Yellow

### SPECIFICAIONE

- Contact rating: (non-switching)400mA 42V 2.(Switching)100mA 42V.
- Electrical life: 25,000 make-and-break cycles at full load.
- Contact resistance: 80m-ohms max. initial @2-4VDC
- Insulation resistance: 250VDC, 100m-ohms min.
- Dielectric strength: 250VAC for 1 minute.
- Operating force: 120±30gf.

## RT Series



### SPECIFICATIONS

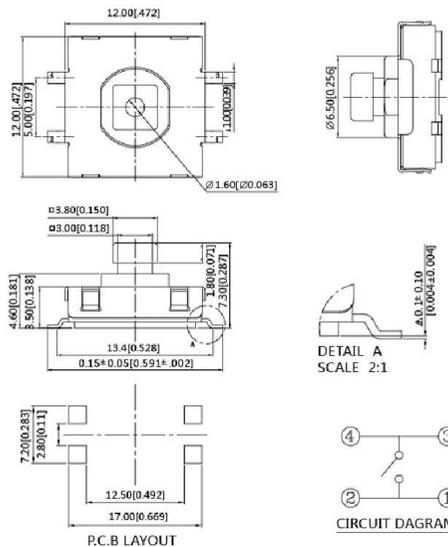
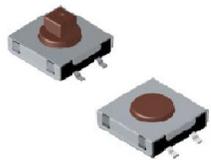
- Mechanical Life: 2,000 operations
- Operation Force: 350±150gf
- Operation Temperature: -20°C to 70°C
- Switching Rating: 0.5A, 24VDC ; 0.2A 48VDC
- Pole-Position:1 Pole, 2 Position-8Position
- (STOP LESS) are available
- Terminal Type: Through Hole

TRAVEL	SWITCH POSITION
0°	C-C (OFF)
45°	C-1
90°	C-2
135°	C-3
180°	C-4
225°	C-5
270°	C-6
315°	C-7





### DTSMW-2 Series



#### SPECIFICATIONS

Electrical Life: 1,000,000 cycles  
 Operation Force: 160gf/260gf/320gf/520gf  
 Stroke: 0.35 ± 0.10mm  
 Operation Temperature: - 40°C to 85°C  
 Storage Temperature : - 40°C to 85°C  
 Rating: 50mA, 24VDC

TACT SWITCH

### TMG-5 Series

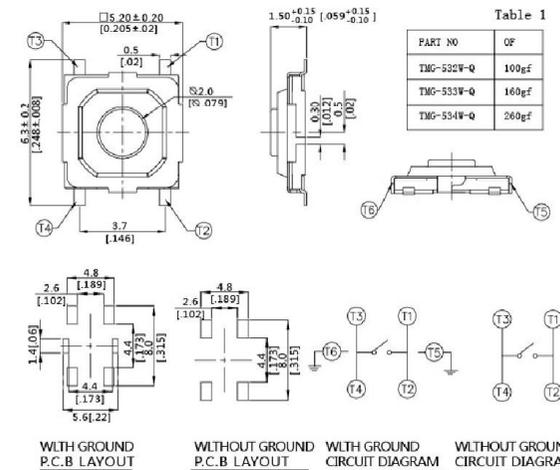


Table 1

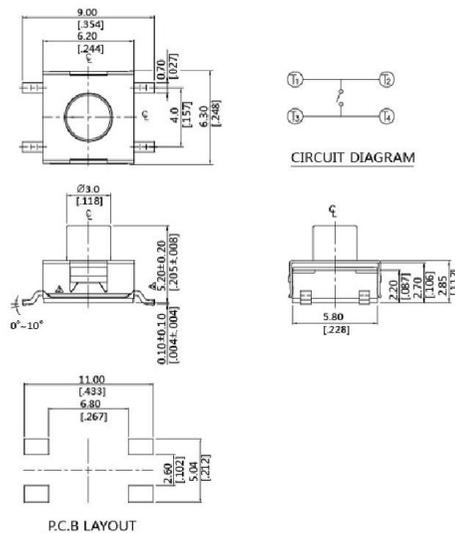
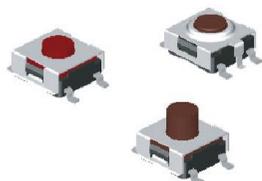
PART NO	CF
TMG-532W-Q	100gf
TMG-533W-Q	160gf
TMG-534W-Q	260gf

#### SPECIFICATIONS

Electrical Life: 200,000 cycles for 260gf  
 1,000,000 cycles for 100/160gf  
 Operation Force: 100gf/160gf/260gf  
 Stroke: 0.25 ± 0.1/-0.20mm  
 Operation Temperature: - 25°C to 70°C  
 Rating: 50mA, 12VDC

TACT SWITCH

### DTS(G)MW-6 Series

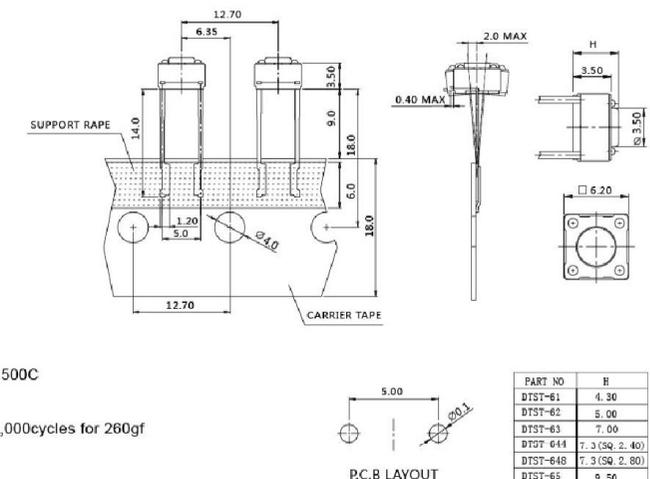
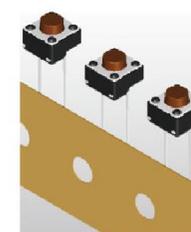


#### SPECIFICATIONS

Electrical Life: 100,000 cycles Max  
 Operation Force: 160gf/180gf/260gf/360gf  
 Stroke: 0.25/0.45/0.60mm  
 Operation Temperature: - 25°C to 70°C  
 Rating: 50mA, 12VDC

TACT SERIES

### DTST-6 Series



PART NO	H
DTST-61	4.30
DTST-62	5.00
DTST-63	7.00
DTST-644	7.3 (SQ. 2.40)
DTST-648	7.3 (SQ. 2.80)
DTST-65	9.50
DTST-66	13.00

#### SPECIFICATIONS

Contact Rating: 50mA, 12V DC  
 Contact Resistance: 100MQ max  
 Insulation Resistance: 100MQ min. 500C  
 Phosphor Bronze Dome  
 1 > 50,000 cycles for 520/320gf 100,000 cycles for 260gf  
 2 > 200,000 cycles for 160/100gf  
 Operating Temp: -25°C ~ +70°C  
 Storage Temp: -30°C ~ +80°C  
 Traver: 0.25mm

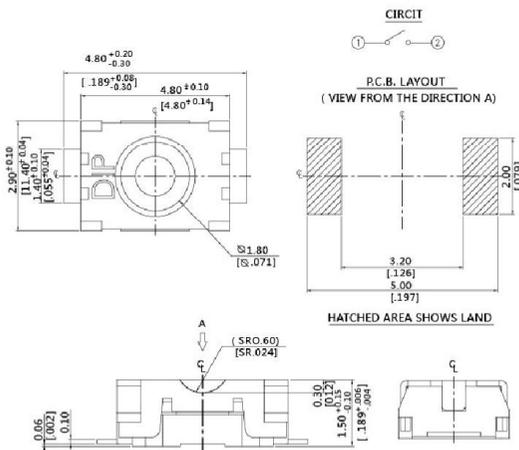
TACT SERIES

### MPT Series



#### SPECIFICATIONS

Rating: 50mA, 12VDC  
 Mechanical Life: 100,000 operations  
 Operation Temperature: -25°C to 70°C  
 Travel: 0.13mm vertical push  
 0.20mm slide push  
 Operating Force: 220gf Side Push  
 160gf Vertical Push

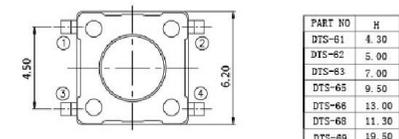


### 6x6 Tact Switch Series

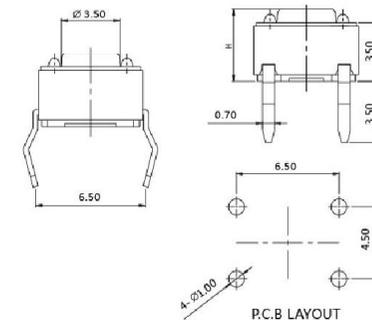


#### SPECIFICATIONS

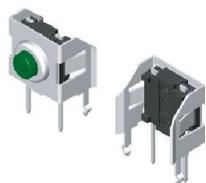
Contact Rating: 50mA, 12VDC  
 Contact Resistance: 100MΩ max  
 Insulation Resistance: 100MΩ min 500V DC  
 Travel: 0.25mm  
 Operating Temp: -25°C+70°C  
 Storage Temp: -25°C+80°C



PART NO	H
DTS-61	4.30
DTS-62	5.00
DTS-63	7.00
DTS-65	9.50
DTS-66	13.00
DTS-68	11.30
DTS-69	19.50

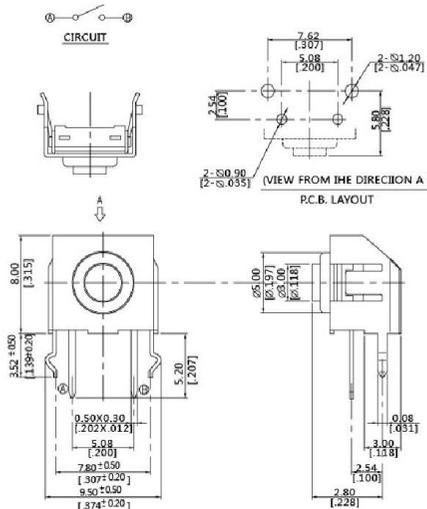


### TA4 Series

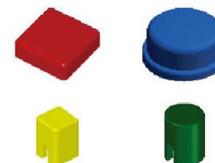


#### SPECIFICATIONS

Rating: 50mA, 50VDC  
 Mechanical Life: 100,000 operations  
 Operating Force: 200gf Side Push 160gf Vertical Push  
 Stroke: 0.25+0.2/-0.1mm  
 Operation Temperature: -30°C to 80°C

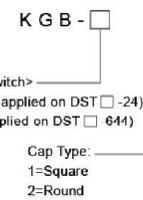


### 6x6 Caps



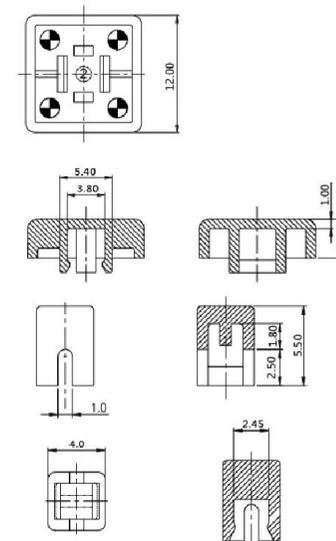
#### HOW TO ORDER

Prob. Size: <Tactile Switch>  
 2=12x12mm (Can be applied on DST □ -24)  
 6=6X6mm (Can be applied on DST □ 644)



#### PACKAGE

<Bag>  
 KTSC-2:500 pcs  
 KTSC-6:1500 pcs



TACT SWITCH

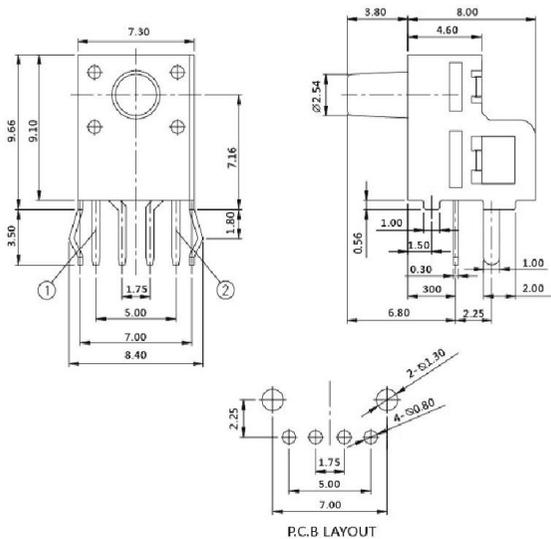
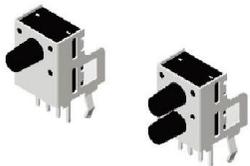
TACT SERIES

TACT SWITCH

TACT SERIES

**T7A Series**

**NEW**

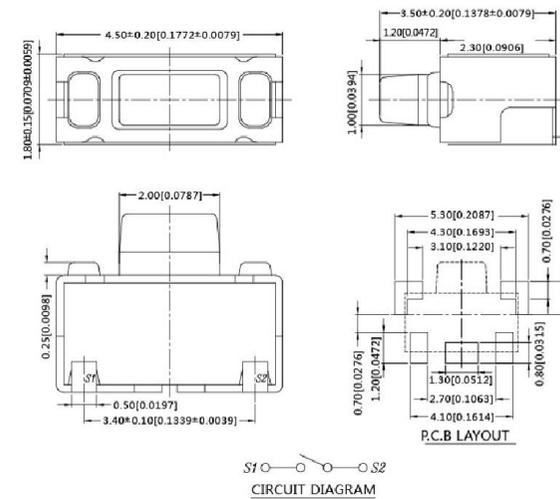
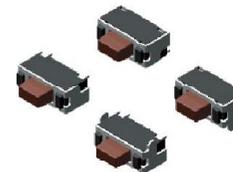


**SPECIFICATIONS**

Contact Rating: 50mA, 12V DC  
 Contact Resistance: 100mΩ max  
 Insulation Resistance: 100MΩ min. 100V CD  
 Dielectric Strength: 250V AC/1minute  
 Operating Life: 100,000cycles  
 Operating Temp: -20°C~+70°C  
 Storage Temp: -30°C~+80°C

TACT SWITCH

**MTA2 Series**

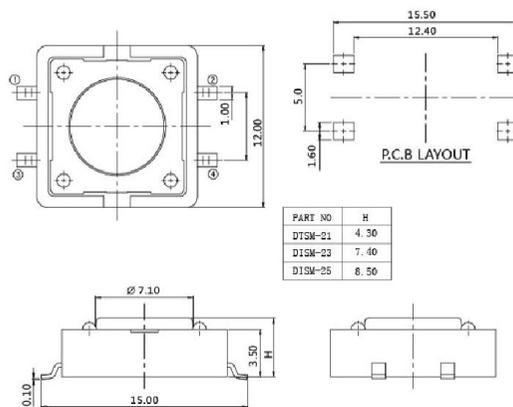


**SPECIFICATIONS**

Rating: 50mA, 12VDC  
 Mechanical Life: 100,000 cycles  
 Operating Force: 180gf Side Push  
 Stroke: 0.20±0.1mm  
 Operation Temperature: -30°C to 80°C

TACT SWITCH

**12x12 Tact Switch Series**

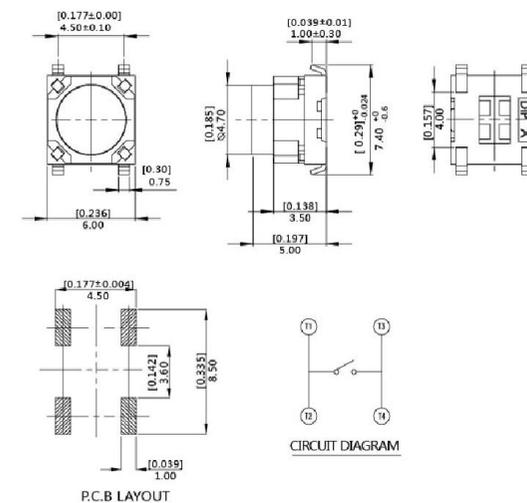
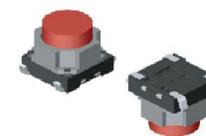


**SPECIFICATIONS**

Contact Rating: 50mA, 12V DC  
 Contact Resistance: 100MΩ max  
 Insulation Resistance: 100MΩ min  
 Operating Temp: -25°C +70°C  
 Storage Temp: -25°C +80°C

TACT SERIES

**LTL-6 Series**

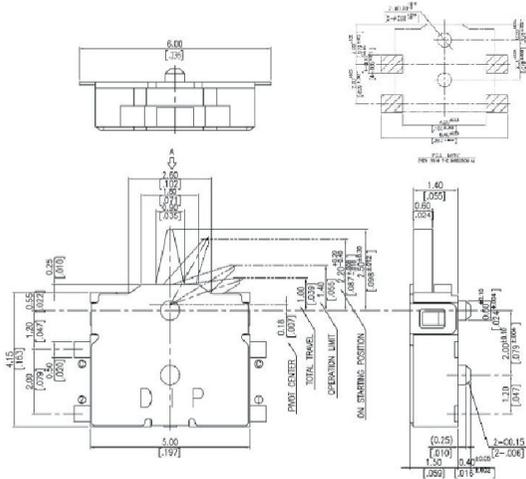
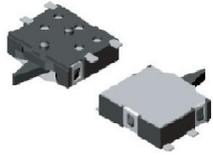


**SPECIFICATIONS**

Rating: 50mA, 12VDC  
 Mechanical Life:  
 1>30,000 operations for 350gf  
 2>100,000 operations for 200gf  
 Operating Force: 200/350gf  
 Stroke: 1.30mm  
 Operation Temperature: -40°C to 85°C

TACT SERIES

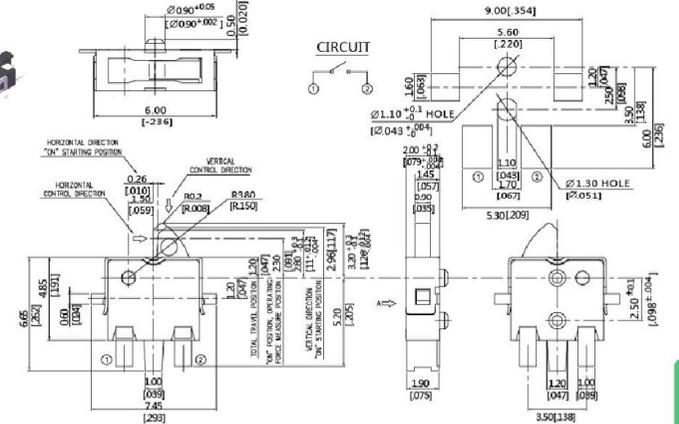
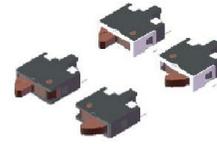
### DTE Series



#### SPECIFICATIONS

Rating: 10mA, 5VDC  
 Mechanical Life: 100,000 operations  
 Operating Force: 30gf max  
 Travel: 1.50mm  
 Operation Temperature: -10°C to 60°C

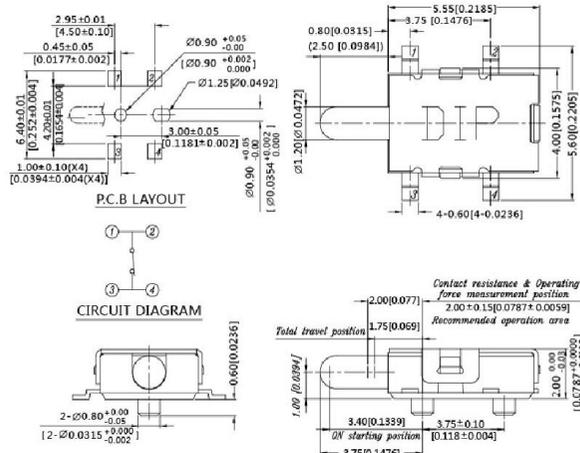
### TE-MR Series



#### SPECIFICATION

Rating: 50mA, 20VDC  
 Mechanical Life: 100,000 operations  
 Operating Force: 50gf max  
 Travel: 2.15mm  
 Operation Temperature: -10°C to 60°C

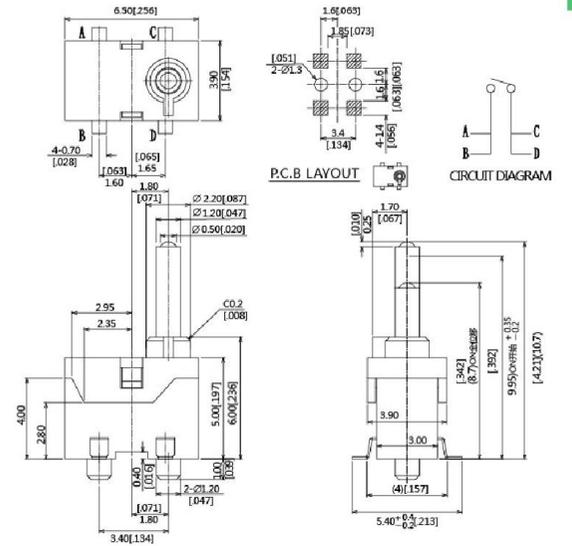
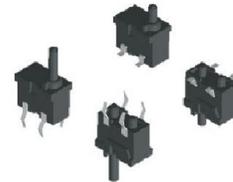
### FTE Series



#### SPECIFICATIONS

Rating: 1mA, 5VDC  
 Mechanical Life: 100,000 operations  
 Operating Force: 105gf max  
 Travel: 2.00mm  
 Operation Temperature: -10°C to 60°C

### TE Series



#### SPECIFICATION

Rating: 5mA, 5VDC  
 Mechanical Life: 50,000 operations  
 Operating Force: 35gf max  
 Travel: 2.0mm  
 Operation Temperature: -20°C to 70°C

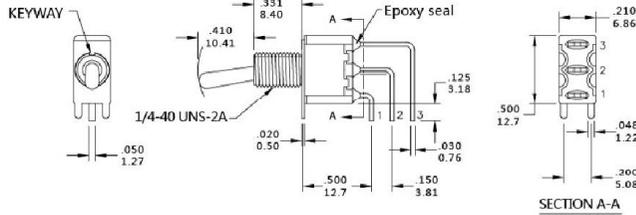
DETECTOR SWITCH

DETECTOR SERIES

DETECTOR SWITCH

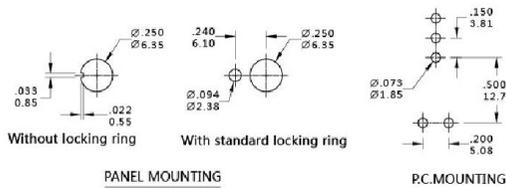
DETECTOR SERIES

## 1M Series

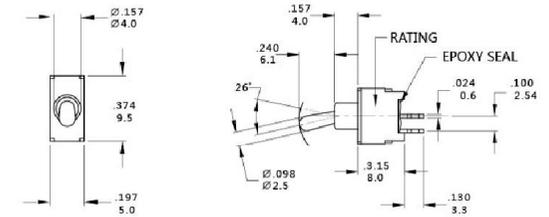


### SPECIFICATIONS

Mechanical Life: 40,000 cycles  
 Contact resistance: 10 mΩ max  
 Insulation Resistance: 1,000 MΩ min  
 Dielectric strength: 1,000 Vrms min. @ sea level  
 Operating Temperature: - 30°C to 85°C  
 1> Silver: 5A 120VAC or 28VDC/2A 250VAC  
 2> Gold: 0.4A max. @ 20V max. (AC or DC)

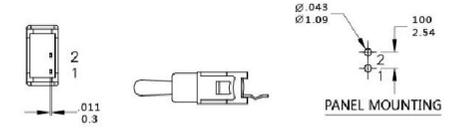


## 2TE Series

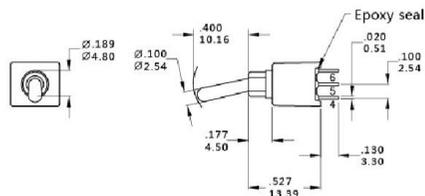


### SPECIFICATION

Mechanical Life: 40,000 cycles  
 Contact resistance: 50mΩ max  
 Insulation Resistance: 1,000MΩ min  
 Dielectric strength: 500 Vrms min. @ sea level  
 Operating Temperature: - 20°C to 85°C  
 Rating: 0.4VA max. @ 48VAC or DC max 1μA/20mV AC or DC

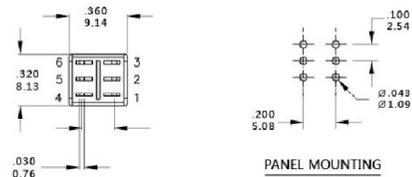


## 1A Series

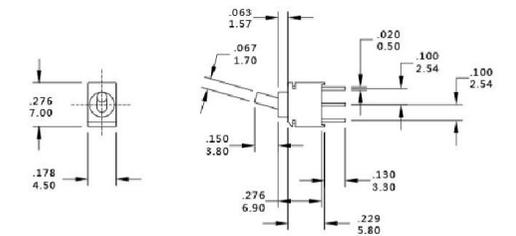
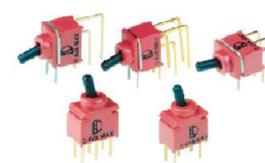


### SPECIFICATIONS

Mechanical Life: 30,000 cycles  
 Contact resistance: 10mΩ max. initial @ 2-4VDC  
 Insulation Resistance: 1,000 MΩ min  
 Dielectric strength: 1,000 Vrms min. @ sea level  
 Operating Temperature: - 30°C to 85°C  
 1> Silver: 3A 120VAC or 28VDC/1A 250VAC  
 2> Gold: 0.4VA max. @ 20VAC or DC max  
 Waterproof: IP67

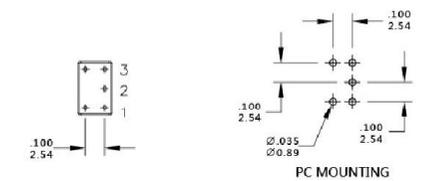


## 2U Series

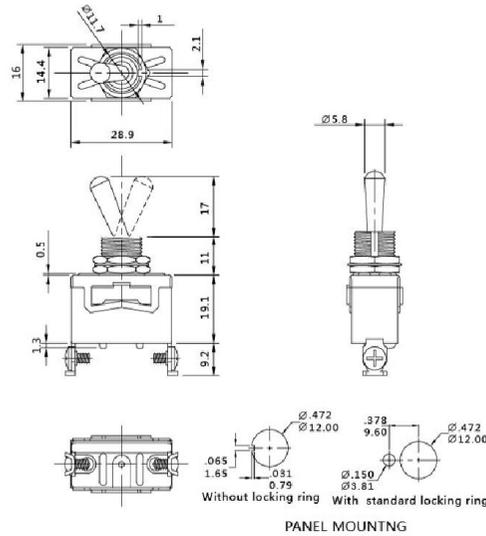


### SPECIFICATION

Mechanical Life: 40,000 cycles  
 Contact resistance: 100 mΩ max  
 Insulation Resistance: 500 MΩ min  
 Dielectric strength: 500 Vrms min. @ sea level  
 Operating Temperature: - 30°C to 85°C  
 Rating: 0.4VA max. @ 20VAC or DC max



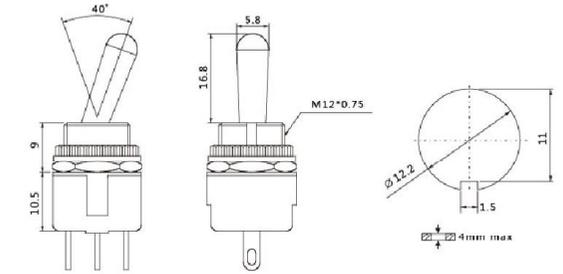
### LPO Series



#### SPECIFICATIONS

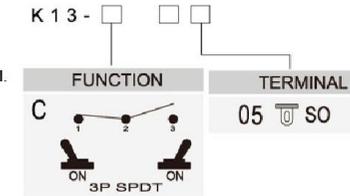
Rating: 15A 125VAC  
20A 125V/250VAC  
Contact resistance: DC2-4V 1A 20mΩ Max  
Insulation Resistance: DC500V 200mΩ Min  
Withstand voltage: AC 1500V Min  
Dielectric strength: AC 1500V 1 minute

### R13-37 Series



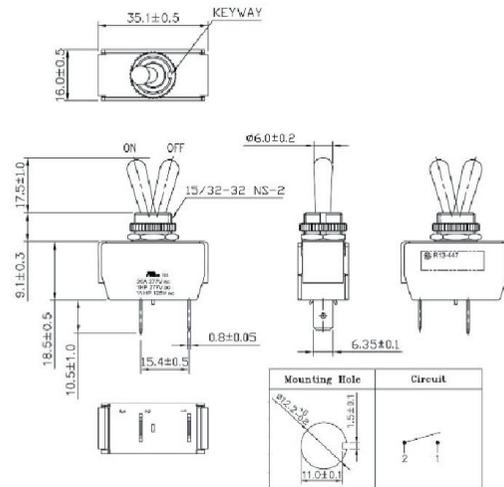
#### SPECIFICATIONS

Material: Base is phenolic. Metal lever and bushing are nickel plated metal. Frame is metal plated steel.  
Indicator plate and watertight boot are optional.  
Application: Ceiling fan.



Rating
6A 125V AC
3A 250V AC
Contact resistance
50mΩ Max
Insulation resistance
DC500v 100MΩ Min
Dielectric strength
AC100v 1minute
Cut-out

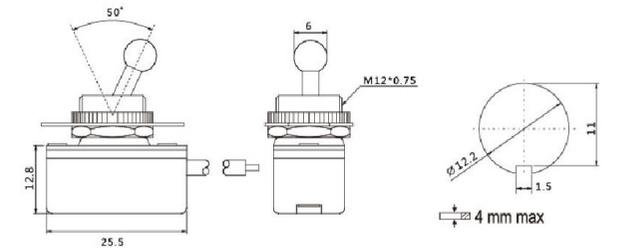
### R13-447 Series



#### SPECIFICATIONS

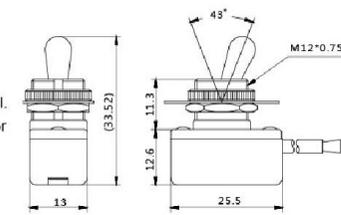
Rating: 16A 277VAC 1HP 1/2HP 125VAC  
20A 277VAC 1HP 1/2HP 125VAC  
Contact resistance: 50mΩ Max  
Insulation Resistance: DC500V 1000mΩ Min  
Dielectric strength: AC 1500V 1 minute  
Operation temperature: 0-85°C

### R13-36 Series



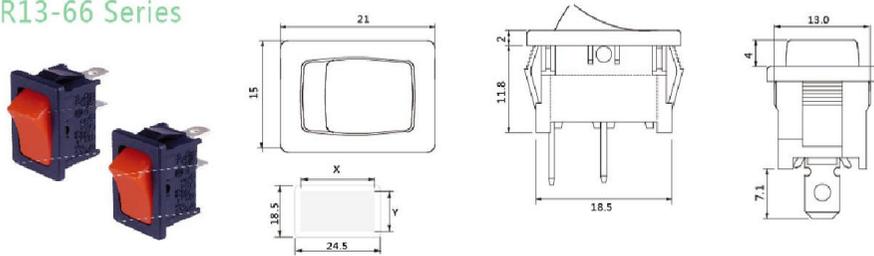
#### SPECIFICATIONS

Material: Metal lever and bushing are nickel plated metal. Frame is metal plated steel.  
Indicator plate and watertight boot (W-70A) only for lever #3 are optional



Rating
6A 125V AC
3A 250V AC
Contact resistance
50mΩ Max
Insulation resistance
DC500v 100MΩ Min
Dielectric strength
AC100v 1minute
Cut-out

### R13-66 Series



#### SPECIFICATIONS

**MATERIAL:** Frame is nylon (UL flame: 94V-2). Terminals are silver plated brass. Illuminated actuators are molded in PC, available with red, amber, green, blue and white colors.  
**Snap-in mounting, easy to install switch into panel.**  
**Watertight cover is optional.**  
**The only difference between R13-66B6 is the rocker style.**



Rating
6A 125V AC 1/8HP 125V AC
3A 250V AC 1/2HP 250V AC
Contact resistance
50m Ω Max
Insulation resistance
DC500v 100M Ω Min
Dielectric strength
AC1500v 1minute
Cut-out

### MRA Series

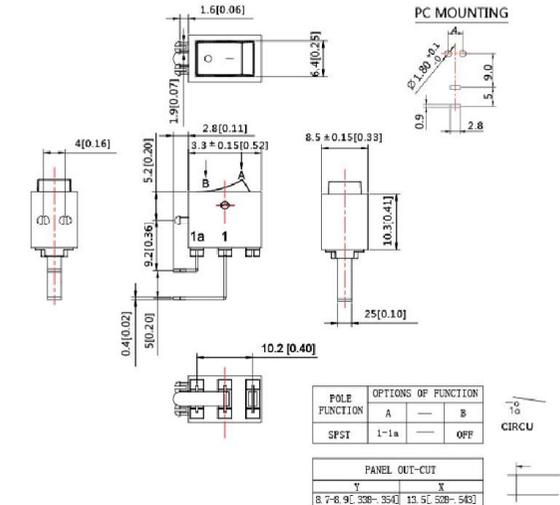


#### SPECIFICATION

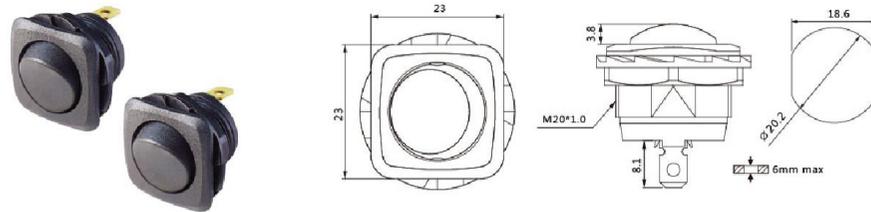
**Rating:** 3A 250VAC(UL,VDE)  
**Contact resistance:** 20mΩ Min  
**Insulation Resistance:** 1000mΩ Max  
**Withstand voltage:** AC 1500V Min 1minute  
**Mechanical life:** Over 30000 cycles  
**Electrical life:** Over 10000 cycles

#### CAP MAEKING:

A	B	C	D	E	F	G	H	I



### R13-135 Series



#### SPECIFICATIONS

**MATERIAL:** Frame is nylon with glass fiber (UL flame: 94V-2). Illuminated actuators are molded in PC, available with red, mamber, green, blue and white colors.  
**Mounted by nut.**



Rating
6A 125V AC
10A 250V AC
Contact resistance
50m Ω Max
Insulation resistance
DC500v 100M Ω Min
Dielectric strength
AC1500v 1minute
Cut-out

### 15x21 Series

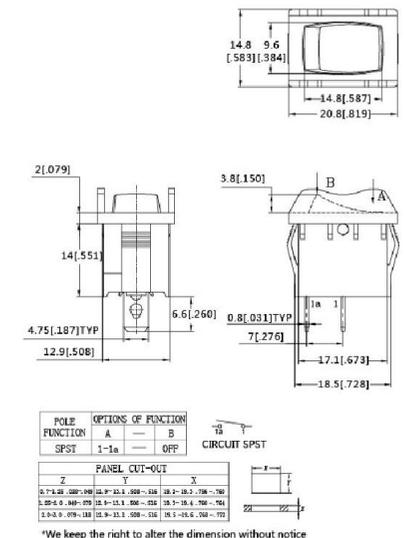


#### SPECIFICATION

**Rating:** 9A 125VAC, 6A 250VAC(UL) 4(1A) 250VAC(VDE)  
 16A 250VAC, 21A 125VAC(UL) 16(6)A 250VAC(VDE)  
**Contact resistance:** 20mΩ Min  
**Insulation Resistance:** 1000mΩ Min  
**Withstand voltage:** AC 1500V Min 1minute  
**Mechanical life:** Over 30000 cycles  
**Electrical life:** Over 10000 cycles

#### CAP MAEKING:

A	B	C	D	E	F	G	H	I



ROCKER SWITCH

ROCKER SERIES

ROCKER SWITCH

ROCKER SERIES

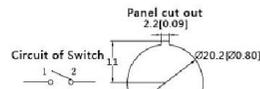
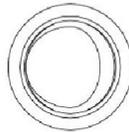
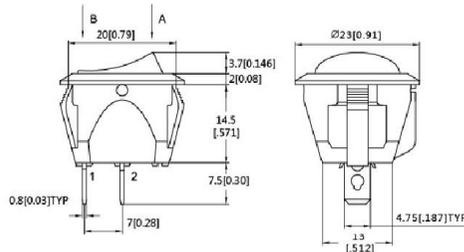
### RC Series



#### SPECIFICATIONS

- Rating: 2A 250VAC/125VAC  
6A 250VAC/125VAC(UL)  
10A 250VAC/15A 125VAC(UL)  
10(4)A 250VAC(VDE)
- Contact resistance: 20mΩ Min
- Insulation Resistance: 1000mΩ Max
- Withstand voltage: AC 1500V Min 1minute
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles

#### CAP MAEKING:



POLE FUNCTION	OPTIONS OF FUNCTION	
	A	B
SPST	2-1	OFF

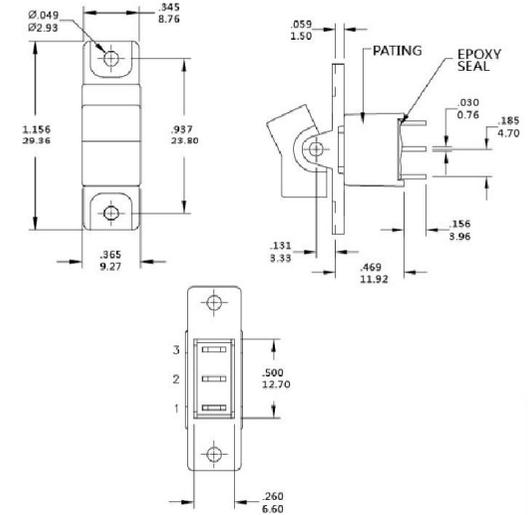
\*We keep the right to alter the dimension without notice

### 3A Series



#### SPECIFICATION

- Mechanical Life: 30,000 cycles
- Contact Resistance: 10 mΩ max
- Insulation Resistance: 1000MΩ min
- Dielectric Strength: 500Vrms min. @ sea level
- Operating Temperature: - 30°C to 85°C
- Silver: 5A 120VAC or 28VDC/2A 250VAC
- Gold: 0.4A max. @ 20V max. (AC or DC)
- Waterproof: IP67

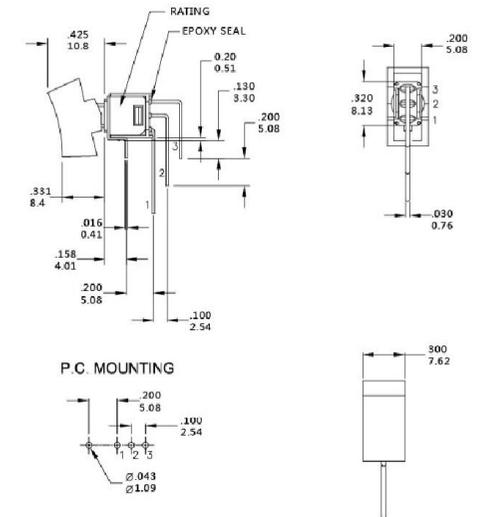


### 4M Series

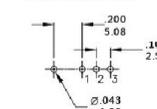


#### SPECIFICATION

- Mechanical Life: 30,000 cycles
- Contact Resistance: 20 mΩ max
- Insulation Resistance: 1000 MΩ min
- Dielectric Strength: 1000Vrms min. @ sea level
- Operating Temperature: - 30°C to 85°C
- Silver: 3A 120VAC or 28VDC/1A 250VAC
- Gold: 0.4A max. @ 20V max. (AC or DC)



#### P.C. MOUNTING



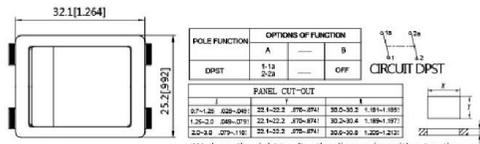
### R5 Series



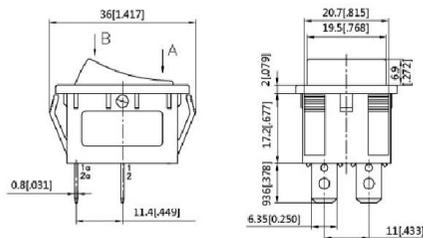
#### SPECIFICATIONS

- Rating: 16A 250VAC, 20A 125VAC(UL)  
10A, 15A, 16A 250VAC(VDE)  
10A 250VAC, 15A 125VAC(UL)
- Contact resistance: 20mΩ Min
- Insulation Resistance: 1000mΩ Max
- Withstand voltage: AC 1500V Min 1minute
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles

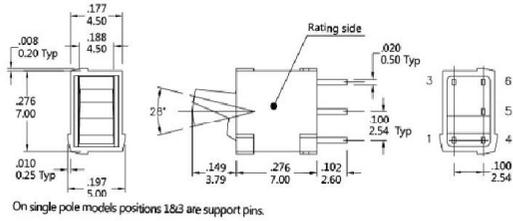
#### CAP MAEKING:



\*We keep the right to alter the dimension without notice

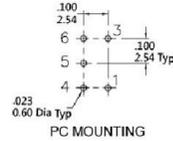


### 4U Series



4US1R2 □ □ M2RNS

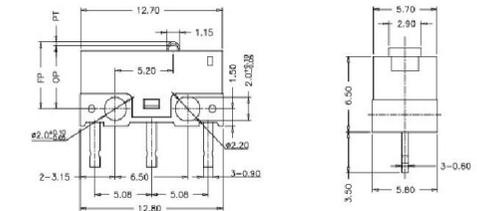
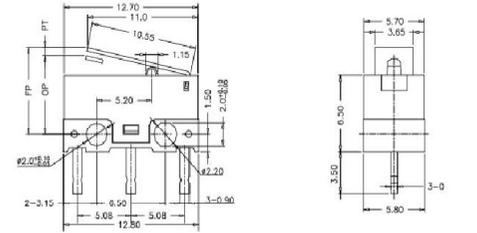
HOUSING COLOR	CAP COLOR
0 Red(Std.)	1 White
2 Black	2 Black(Std.)
	3 Red
	4 Orange
	5 Yellow
	6 Green
	7 Blue
	8 Brown
	9 Gray



#### SPECIFICATIONS

Mechanical Life: 40,000 cycles  
 Contact Resistance: 100mΩ max  
 Insulation Resistance: DC 500V 500MΩ  
 Dielectric Strength: 1000 Vrms min. @ sea level  
 Operating Temperature: - 30°C to 85°C  
 Rating: 0.4A max. @ 20V max. AC or DC max

### G10 Series

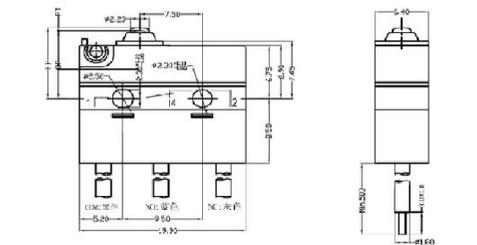
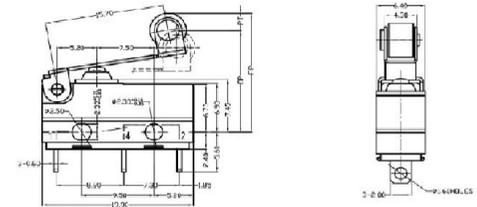


OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	90	15	0.65	0.2	0.2	6.0
-150	150	20				5.5±0.3

OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-090	30	5				8.2±1.0
-150	50	8	3.5	0.3	1.1	11.5

### G9 Series

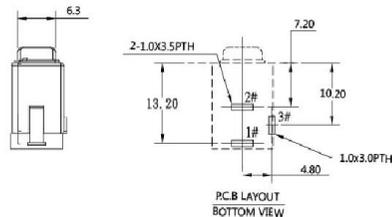
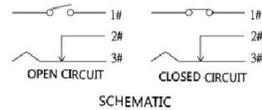
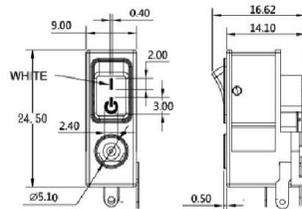


OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-150	50	8	4.3	0.6	0.7	12.0
-300	105	20	4.3	0.6	0.7	12.0

OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-150	65	10	4.3	0.6	0.7	17.5
-200	85	15	4.3	0.6	0.7	17.5

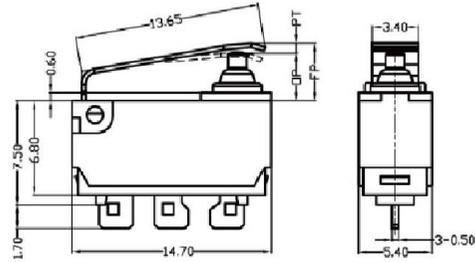
### RJ Series



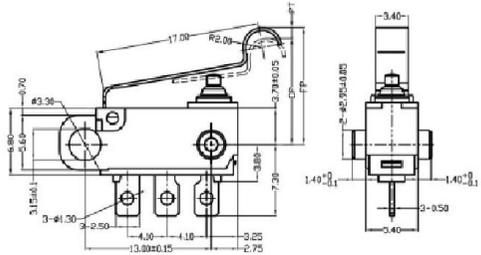
#### SPECIFICATIONS

Electrical Life: 6000 cycles  
 Contact Resistance: 20m (initial)  
 Insulation Resistance: 1000M Min (500VDC between open contacts)  
 Dielectric Strength: 1500V@1 minute Max  
 Operating Temperature: Max. 30°C  
 Rating: DC 15V 2.5A

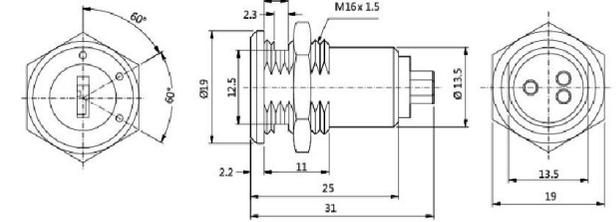
### G3 Series



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-130	220	30	3	0.8	0.5	5.7
-130	180	20	3	8	1.5	10.7±0.7

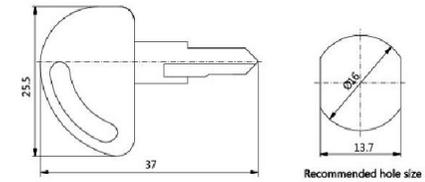


### S33 SERIES



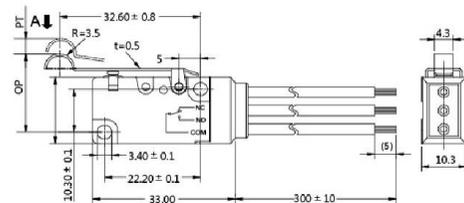
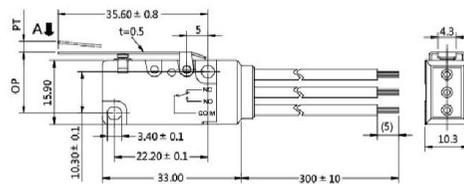
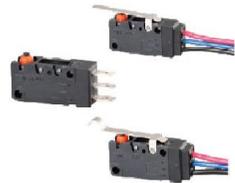
#### SPECIFICATIONS

Zinc alloy die cast housing and plastic cylinder.  
Bright chrome plated standard.  
3 disc tumbler mechanism.  
Brass keys, nickel plated, with plastic cover.  
Key may be withdrawn in one or both or three positions.  
Silver plated contacts and terminals.  
Hex nut or speed clip mounted.  
All keyed alike or 16 combinations standard.



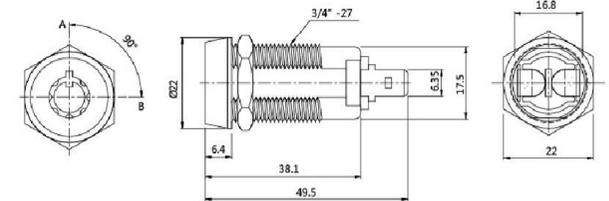
KEY LOCK SWITCH

### G5W Series



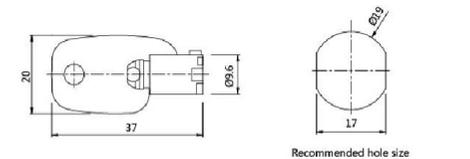
型号 Part No.	OF Max. (N)	RF Min. (gf)	PT Max. (N)	OT Min. (gf)	MD Max. (mm)	OP (mm)
G5W11-WZ015A04-WC	0.20	20	0.05	5	3.2	1.3
G5W11-WZ025A04-WC	0.25	25	0.08	8	3.2	1.3
G5W11-WZ040A04-WC	0.40	40	0.15	15	3.2	1.3
G5W11-WZ100A04-WC	0.64	65	0.25	25	3.2	1.3
G5W11-WZ200A04-WC	1.27	130	0.35	35	3.2	1.3

### S212Z Series



#### SPECIFICATIONS

Contact rating: 4A 125VAC, 2A 250VAC  
Contact resistance: 10 Milli Ω max.  
Insulation resistance: 500Meg Ω min.  
Dielectric strength: 1500VAC-1Minut.  
Zinc alloy die cast housing and cylinder.  
Bright chrome plated standard.  
7 pins tumbler mechanism.  
Steel made tubular keys, nickel plated.  
All keyed alike or one combination per 100pcs standard.

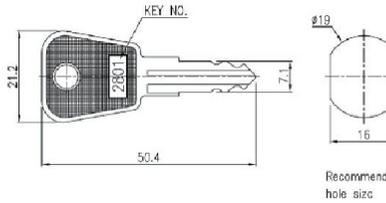
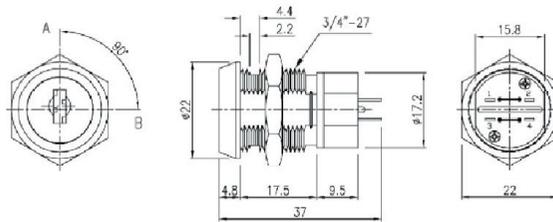


KEY LOCK SERIES

MICRO SWITCH SERIES

MICRO SWITCH SERIES

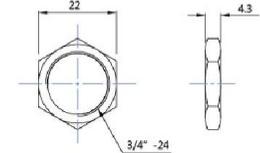
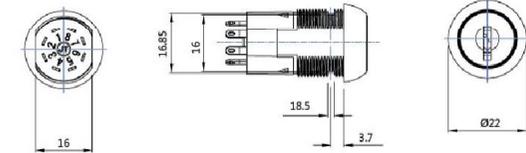
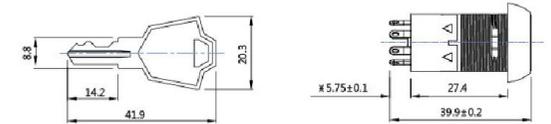
### S286 SERIES



#### SPECIFICATIONS

- Zinc alloy die cast housing and cylinder.
- Bright chrome plated standard.
- Stainless steel capped bezel.
- 5 disc tumbler mechanism.
- Brass keys, nickel plated.
- Key maybe withdrawn in one or both positions.
- Silver plated contacts and terminals.
- 2position (off-on) 4 terminals.
- 150 combinations available.

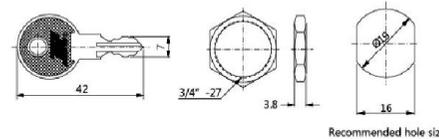
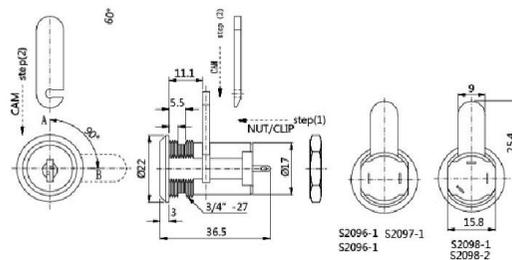
### S2011/2012 SERIES



#### SPECIFICATIONS

- Zinc alloy die cast housing and cylinder.
- stainless steel capped bezel.
- Nick plated standard.
- 4 disc tumbler mechanism.
- Brass keys, nickel plated
- Various key withdrawals available
- Silver plated contacts and terminals.
- Hex nut mounted.
- All keyed alike or 20 combinations standard
- 200 combination available.

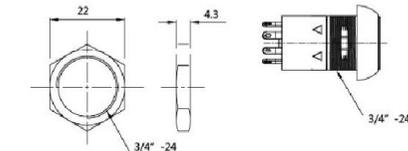
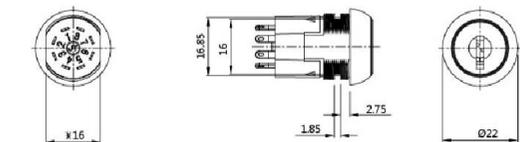
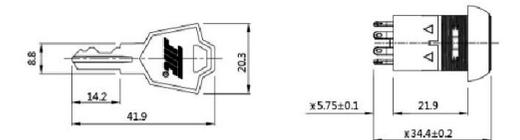
### S2096 Series



#### SPECIFICATIONS

- Contact rating: 4A 125VAC, 2A 250VAC
- Contact resistance: 10 Milli Ω max.
- Insulation resistance: 500Meg Ω min.
- Dielectric strength: 1500VAC-1Minut.
- Zinc alloy die cast housing and cylinder.
- Bright chrome plated standard.
- Stainless steel capped bezel.
- 4 disc tumbler mechanism.
- Dual-functioned key lock switch.
- Key maybe withdrawn in one or both positions.
- Silver plated contacts and terminals.

### NS106 Series



#### SPECIFICATIONS

- Zinc alloy die cast housing and cylinder.
- Bright chrome plated standard.
- 5 disc tumbler mechanism.
- Reversible double-bitted brass keys.
- Nick plated ,with plastic cover.
- Golden plated contacts and terminals.

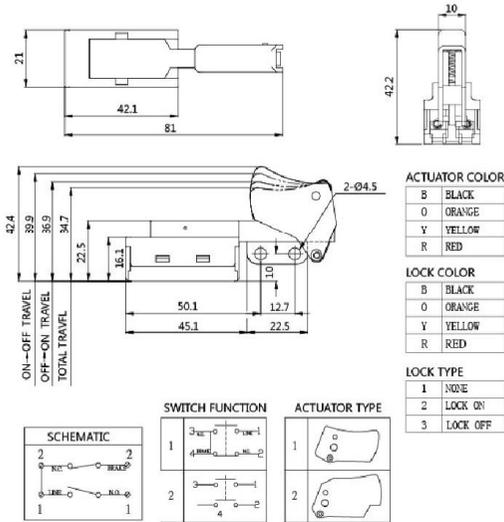
KEY LOCK SWITCH

KEY LOCK SERIES

KEY LOCK SWITCH

KEY LOCK SERIES

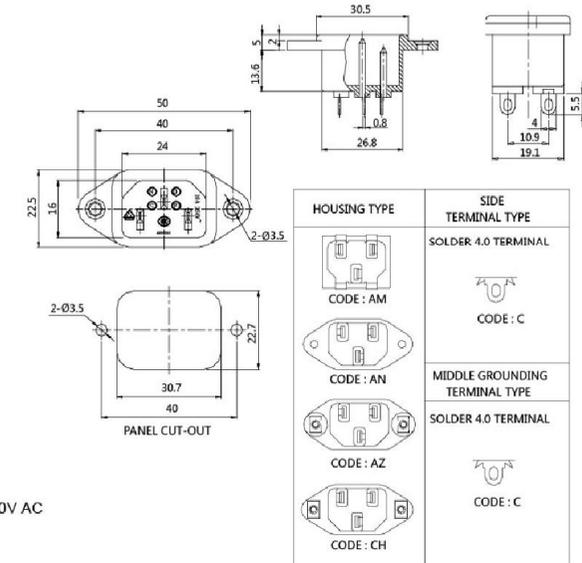
## TG05 Series



### SPECIFICATION

Rating: 24 VDC/25 22A 125VAC  
 10(10) 250VAC  
 Inrush current: 100A /24 VDC  
 Contact resistance: 30mΩ Min  
 Insulation Resistance: 500mΩ Min  
 Withstand voltage: AC 1500V Min 1minute  
 Electric life: 40000 cycles  
 Operating force: 3000±300gram  
 Travel: 7.5mm

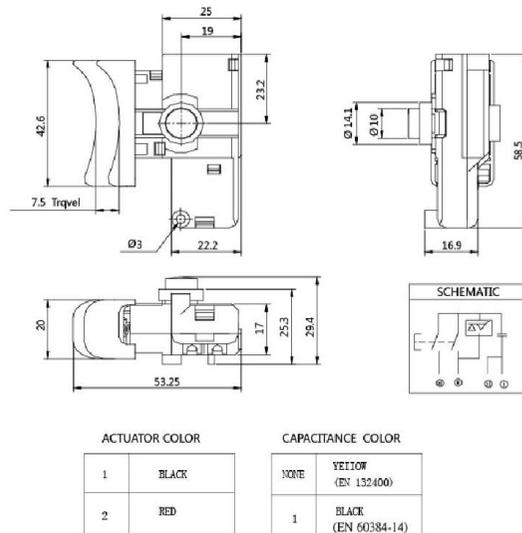
## Power Socket Series



### SPECIFICATION

Contact Rating : 10A 250V 2.ACInsulation  
 Resistance: 100 MΩ(MIN) 500V DC  
 Operational Temperature : 0~85°C  
 Dielectric Strength : 2000V AC-1 minute 15A 250V AC

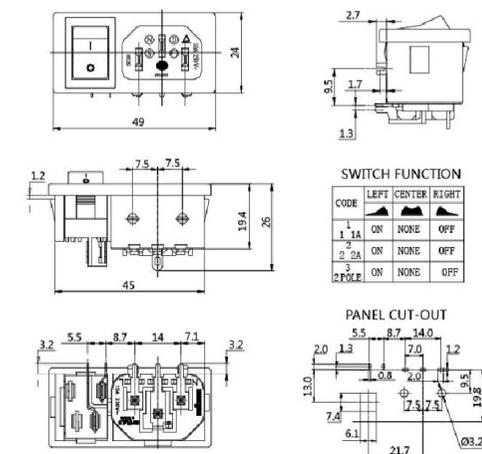
## TG06 Series



### SPECIFICATION

Rating: 3(3) 250VAC  
 Contact resistance: 10mΩ Min  
 Insulation Resistance: 500mΩ Max  
 Withstand voltage: AC 1500V Min 1minute  
 Electric life: 50000 cycles  
 Operating force: 2500±300gram  
 Travel: 7.5mm

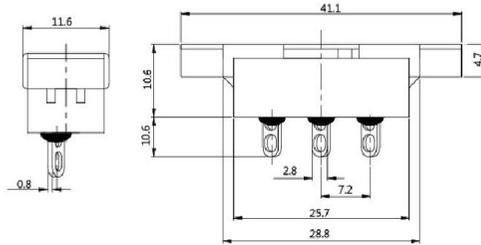
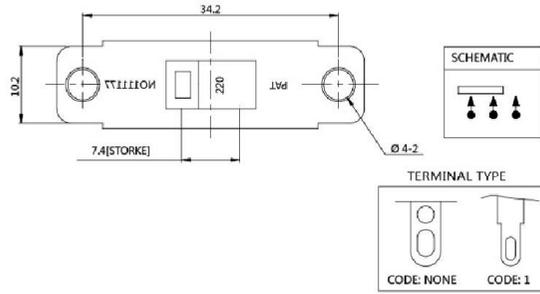
## Power Inlet Series



### SPECIFICATION

Contact Rating : 10A 250V AC 15A 250V AC  
 Dielectric Strength : 2000V AC-1 minute  
 Operational Temperature : -1 0 °C ~ 85 °C  
 Insulation Resistance : 100 MΩ(MIN) 500V DC

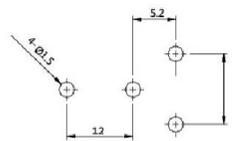
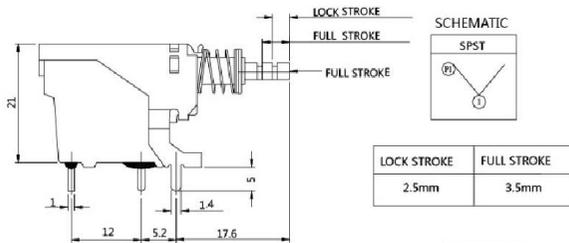
## Voltage Switch Series



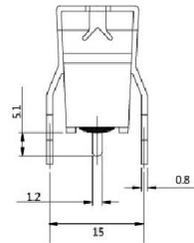
### SPECIFICATION

Contact Rating : 12A 250V AC T85 10(1)A 250V ~ μT85  
 Contact Resistance : 30mΩMAX  
 Insulation Resistance : 500MΩ(MIN) 500V DC  
 Dielectric Strength : 2000V AC-1 minute  
 Electric Life : 300 cycles  
 Operating Force : 1200±300gram

## Voltage Push Switch Series



PCB MOUNTING HOLES



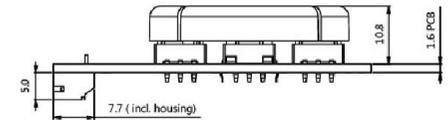
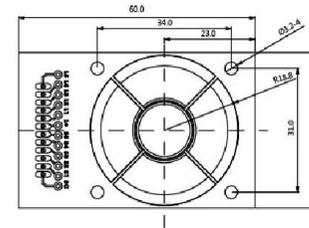
### SPECIFICATION

Contact Rating : 10A 250V AC TV-8  
 Contact Resistance : 100 mΩ MAX  
 Insulation Resistance : 500 MΩ(MIN) 500V DC  
 Dielectric Strength : 2000V AC-1 minute  
 Electric Life : 25,000 cycles  
 Operating Force : 500±200gram

## Navigation Switches Series



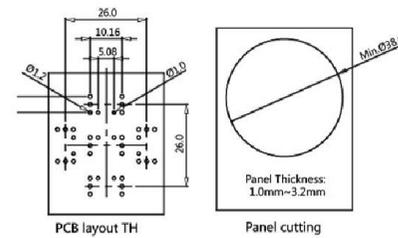
### Dimension



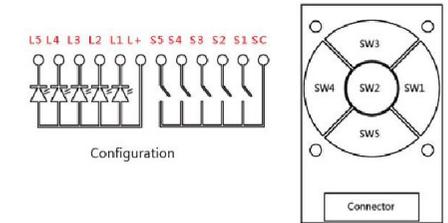
### SPECIFICATIONS

Insulation Resistance:100MΩhm Min.  
 Operating Force:220gf 50gf  
 Total Travel:0.3mm  
 Operating Life:1,000,000 cycles Min.  
 Operating Temperature:-10 deg.~+60 deg.  
 Solder Specifications:260 deg. for 3 seconds

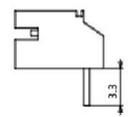
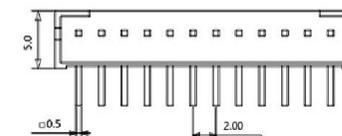
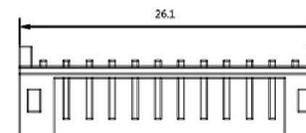
### PCB. layout & Panel cutting



### Contact Configuration



### Option







**TACLEX**  
TACLEX ELECTRONICS CO., LTD.

## 所有TACLEX產品皆符合RoHS規範

為確保產品符合RoHS及特殊客戶要求，公司引進AAS驗證設備，掌控進料及制程之品質。

隨時收集國際法規要求，即時修訂公司內部檔進行管控。

綠色採購，在TACLEX採購流程中，零件承認時必定請廠商提供RoHS檢測報告，經過品保部門審核通過後才可以。同時要求供應商每年提供更新驗證報告及定期稽核供應商RoHS管制。

為因應新一波的綠色電子浪潮——無鹵素，TACLEX也於2009年1月起，先一步陸續導入無鹵素材料

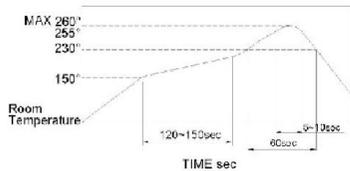
## TACLEX RoHS Implement

To meet RoHS and customer's special requirements, we bring in AAS testing equipment for monitoring incoming material and production process.

Regularly update worldwide RoHS regulations and corresponding to our internal documents control.

Green purchasing—TACLEX choose only RoHS qualified suppliers and regularly audit suppliers about their RoHS control.

To reduce halde materials' effect to environments and ecology, we have been started to implement HALOGEN FREE raw material to our products since January, 2009.



**HALOGEN FREE**  
Br < 900PPM  
Cl < 900PPM  
Br+Cl < 1500PPM  
Start from 2009



**RoHS COMPLIANT**  
The limit value that we declare.  
Pb < 100PPM  
Cd < 75PPM  
Hg < 2PPM  
Cr6 < 2PPM  
PBB < Not Detected  
PBDE < Not Detected  
Start from Jan.2005

