

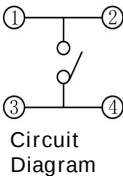
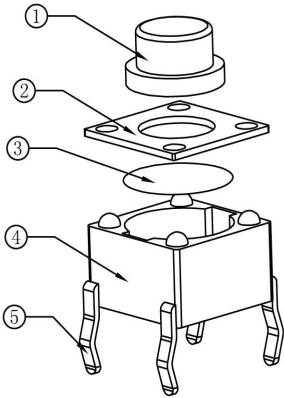
Product specifications

Date : 2016.05.28

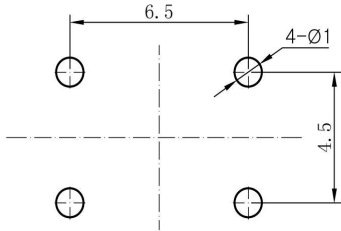
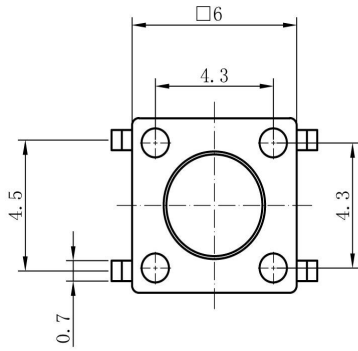
Product name : Tact Switch

Model : KH-6X6X10H-TJ

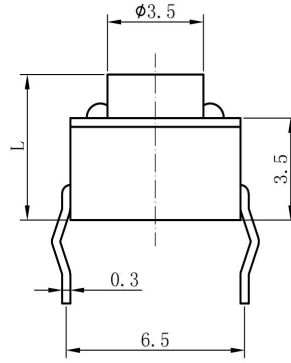
Dimension : 6*6* 10



Circuit Diagram



Installation diagram of PCB circuit board(±0.1)



Technical Specifications :

1. Practical temperature: -25~+85
2. Rating: DC 120V 0.1A
3. Contact Resistance: $\leq 30\text{m}\Omega$
4. Insulation Resistance: $\geq 100\text{m}\Omega$
5. Withstand Voltage: AC250V (50Hz)/min
6. Operating force: $260\text{g}\pm 30$
7. Service Life: 100000 times
8. Height L and sizes can be optional as required by customers
9. The unspecified dimensional tolerance shall be in accordance with the table in the lower left corner

29	SH-TS-0128-00-29	26.0
28	SH-TS-0128-00-28	24.0
27	SH-TS-0128-00-27	22.0
26	SH-TS-0128-00-26	21.0
25	SH-TS-0128-00-25	20.0
24	SH-TS-0128-00-24	19.0
23	SH-TS-0128-00-23	18.0
22	SH-TS-0128-00-22	17.0
21	SH-TS-0128-00-21	16.0
20	SH-TS-0128-00-20	15.0
19	SH-TS-0128-00-19	14.0
18	SH-TS-0128-00-18	13.0
17	SH-TS-0128-00-17	12.5
16	SH-TS-0128-00-16	12.0
15	SH-TS-0128-00-15	11.0
14	SH-TS-0128-00-14	10.5
13	SH-TS-0128-00-13	10.0
12	SH-TS-0128-00-12	9.5
11	SH-TS-0128-00-11	9.0
10	SH-TS-0128-00-10	8.5
9	SH-TS-0128-00-09	8.0
8	SH-TS-0128-00-08	7.5
7	SH-TS-0128-00-07	7.0
6	SH-TS-0128-00-06	6.5
5	SH-TS-0128-00-05	6.0
4	SH-TS-0128-00-04	5.5
3	SH-TS-0128-00-03	5.0
2	SH-TS-0128-00-02	4.5
1	SH-TS-0128-00-01	4.3

N O.	Part NO.	Height L (mm)
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SH-TS-0128-00-00

SHENZHEN KINGHELM ELECTRONIC
CO., LTD.

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KH6X6X10H-TJ

0755-83044319

Stage Mark

Weight(g)

Scale

Page1

1 page in total

Unspecified tolerance (±)			
Grade	A	B	C
0~4	0.03	0.10	0.20
4~16	0.08	0.15	0.30
16~64	0.12	0.25	0.50
64~250	0.25	0.40	0.80

5	Inserts	SH-TS-0128-05-00
4	Base	SH-TS-0128-04-00
3	Reed	SH-TS-0128-03-00
2	Cover plate	SH-TS-0128-02-00
1	Nuts	SH-TS-0128-01-00
No.	Name	Part No.

1	H02Y T=0.3	Cu/ep.CuSm2	Revised Document Number	Quantity	Document No.	Signature	Date
1	PAGE BLACK		Designed				
1	Silver Steel Belt T=0.1		Checked				
1	Cold rolled steel strip T=0.3	Cu/ep.CuSm2	Craft				
1	PAGE BLACK		Standardization				
Quantity	Materials	Remark	Approval				

MODEL NO.

Tact Switch

ORGANIZER

HE JUNJU

AUDITING

LAI JIREN

AUTHORIZE

ZHANG SONGQIANG

1. RATING

:DC 12V 50mA

2. ELECTRICAL CHARACTERISTICS

ITEM

TEST CONDITIONS

PERFORMANCE

2.1

CONTACT RESISTANCE

MEASURED AT SMALL CURRENT (100 mA OR LESS)

30m Ω MAX

2.2

INSULATION RESISTANCE

APPLY A VOLTAGE OF 100V DC FOR 1 MIN,
TO FOLLOWING PORTIONS AFTER WHICH
MEASUREMENT SHALL BE MADE.

(1) BETWEEN BODY AND CONDUCTOR
(2) BETWEEN CONDUCTORS NOT TO BE CONTACT.

100M Ω MIN

2.3

DIELECTRIC STRENGTH

AC 250V (50-60Hz) FOR 1 MIN TRIP CURRENT: 0.5mA

(1) BETWEEN TERMINALS.
(2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.

WITHOUT DAMAGE TO
PARTS ARCING OR
BREAKDOWN ETC.

3. MECHANICAL CHARACTERISTICS

ITEM

TEST CONDITIONS

PERFORMANCE

3.1

OPERATING FORCE

PAY ONE'S RESPECTS
TO THIRDLU PAGE

3.2

TERMINAL STRENGTH

A STATIC LOAD OF (150gf) SHALL BE APPLIED TO
THE TIP OF THE TERMINAL FOR 1 MIN IN ANY
DIRECTION

ELECTRICAL
CHARACTERISTICS
SHALL BE SATISFIED
WITHOUT DAMAGE OR
EXCESSIVE LOOSENESS
OF ACTUATOR

3.3

PRACTICAL TEMPERATURE RANGE

Operate at - 25 - + 70

		DOCUMENT NUMBER	
		DATE	2016/5/28
SPECIFICATION		PAGE	5 pages in total, page 4
	ITEM	TEST CONDITIONS	PERFORMANCE
3.4	STANDARD ATMOSPHERIC CONDITIONS	UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) AMBIENT TEMPERATURE: 5°C TO 35°C (2) RELATIVE HUMIDITY: 45% TO 85% (3) AIR PRESSURE : 80Kpa TO 106Kpa	
4. DURABILITY			
4.1	LIFE TEST	WITHOUT LOAD: AN ACTUATOR SHALL BE SUBJECT TO 100,000 CYCLES AT A SPEED OF 20 CYCLES FOR 1 MIN.	(1) CONTACT RESISTANCE SHALL BE 200mΩ MAX (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.
4.2	HEAT TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $85\pm 2^{\circ}\text{C}$ FOR 96 HOURS . AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.
4.3	COLD TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-25\pm 3^{\circ}\text{C}$ FOR 96 HOURS . AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVER CONDITIONS FOR 1 HOURS AFTER WHICH MEASUREMENT SHALL BE MADE.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.
4.4	HOMIDITY TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ AND A HUMIFITY OF 90% TO 96% FOR 96 HOURS . THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HR FOR OTHER PROCEDURES BE MADE.	

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ITEM	TEST CONDITIONS	PERFORMANCE
4.5 SOLDERING CONDITIONS	HAND SOLDERING: (1) DEVICE: SOLDER IRON A. 350°C MAX . 3SEC MAX B. 270°C MAX . 5SEC MAX (2) REFLOW SOLDERING	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.

OPERATING FORCE	
260±30gf	