

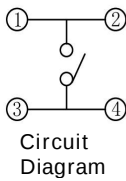
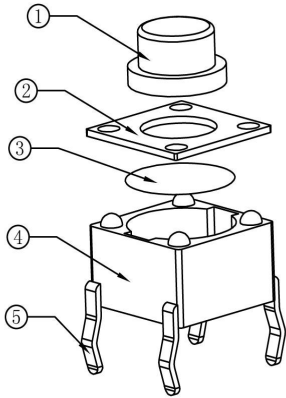
Product specifications

Date : 2016.05.28

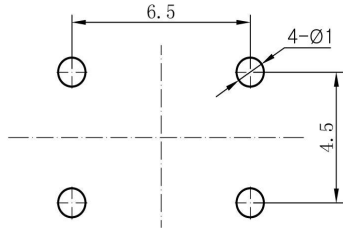
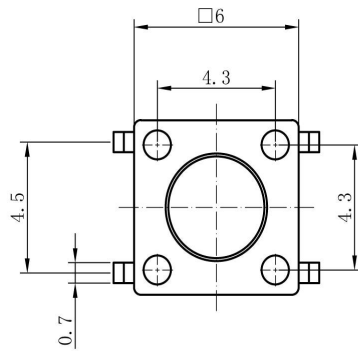
Product name : Tact Switch

Model : KH-6X6X6H-TJ

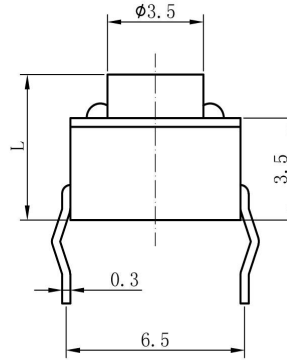
Dimension : 6*6* 6



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	Part NO.	Height L (mm)
O		

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.	

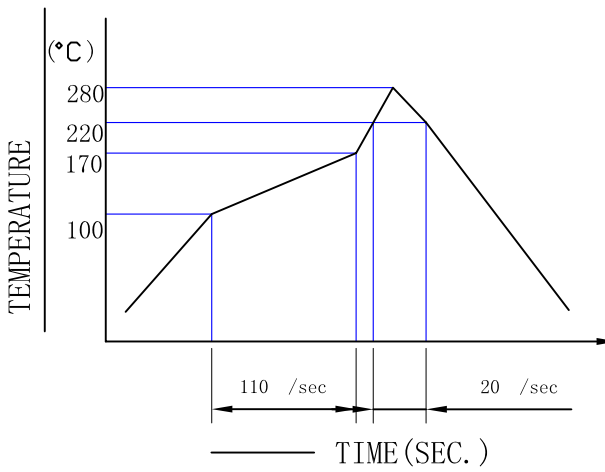
1	H62YT-0.3	Cu/ep.CuSm2	Revised Document Number	Quantity	Document No.	Signature	Date
1	PAGE BLACK		Designed				
1	Silver Steel Belt T=0.1		Checked				
1	Cold rolled steel strip T=0.3	Cu/ep.CuSm2	Craft				
1	PAGE BLACK		Standardization				
Quantity	Materials	Remark	Approval				

SHENZHEN KINGHELM ELECTRONIC CO., LTD.		SH-TS-0128-00-00			
WWW.BDS666.COM					
KH6X6X6H-TJ		Stage Mark		Weight(g)	Scale
0755-83044319		Page1		1 page in total	

Kinghelm®			DOCUMENT NUMBER		
			DATE		2016/5/28
SPECIFCATION			PAGE		5 pages in total, page 3
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 CHARACTER ISTICS 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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SPECIFICATION	PAGE	5 pages in total, page 5

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	