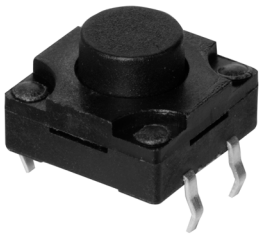
CUI Devices is now Same Sky! Learn More

same sky

SERIES: TS15 | DESCRIPTION: TACTILE SWITCH

FEATURES

- IP66
- crimped pins
- through hole



RoHS IP66

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage		1		12	Vdc
rated current		0.01		50	mA
withstanding voltage	for 1 minute		250		Vac
contact resistance	applying load of 2 times operating force at 5 Vdc, 10 mA			100	mΩ
insulation resistance	at 100 Vdc for 1 minute	100			MΩ
operating force	see force table				
actuator travel		0.35	0.45	0.55	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force 160 gf models 260 gf models		 70,000 50,000		 cycles cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				
IP level	IP66				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

PART NUMBER KEY

TS15 - 1212 - XX - BK - XXX - SCR - D

Base Number

Actuator Height:
50 = 5.0 mm 100 = 10.0 mm
65 = 6.5 mm 110 = 11.0 mm
70 = 7.0 mm 125 = 12.5 mm
80 = 8.0 mm 140 = 14.0 mm
95 = 95 mm 150 = 15.0 mm

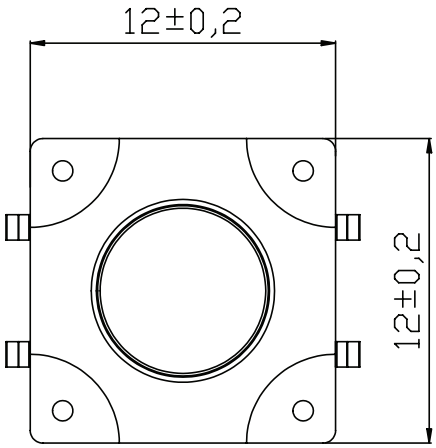
Push Force:
160 = 160 gf
260 = 260 gf

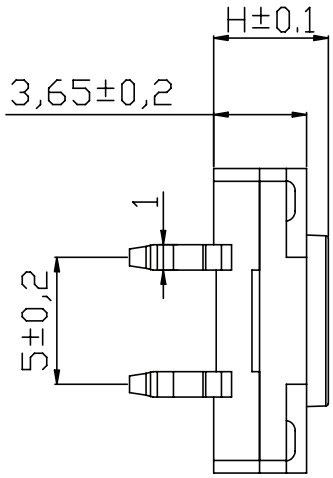
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MECHANICAL DRAWING

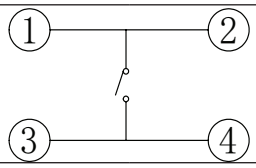
units: mm
tolerance: ±0.2 mm
unless otherwise noted

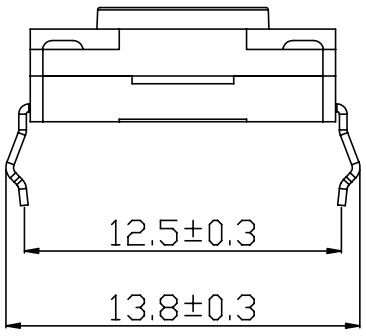
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PPA (UL94HB)	black
3	contacts	SUS	silver
4	cover	PPA (UL94HB)	black
5	stem	PPA (UL94HB)	black
6	silicone pads	gel	black

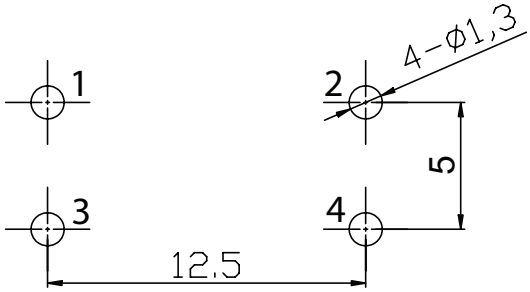




ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	(ON)
SCHEMATIC	







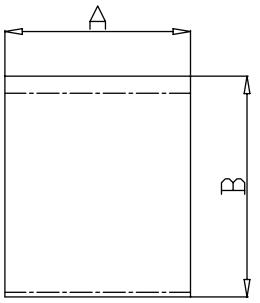
Recommended PCB Layout
Top View

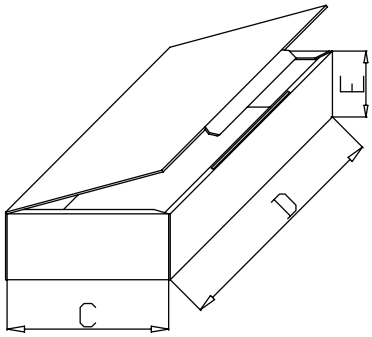
Operating Force Table		
Model	Press Force (gf)	Return Force (gf)
160	160±70	>20
260	260±100	>20

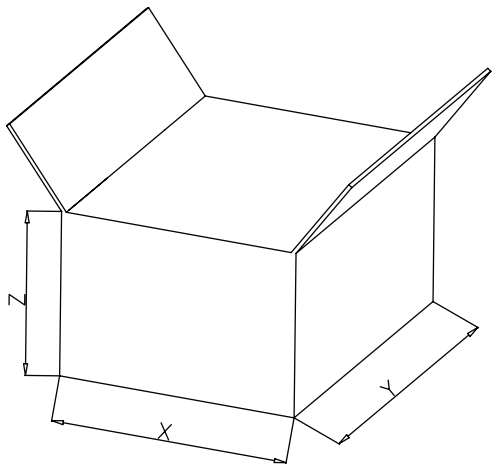
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PACKAGING

Packaging Table						
Actuator Height Models (mm)	Bag Size (AxB) (mm)	Bag QTY	Inner Box Size (CxDxE) (mm)	Inner Box QTY	Carton Size (XxYxZ) (mm)	Carton QTY
5.0~10.0	35 x 19 x29	500	166 x 185 x 55	500	370 x 425 x 31	10,000
11.0~12.5	35 x 19 x29	400	166 x 185 x 55	400	370 x 425 x 31	8,000
14.0~15.0	35 x 19 x29	300	166 x 185 x 55	300	370 x 425 x 31	6,000







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REVISION HISTORY

rev.	description	date
1.0	initial release	04/13/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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