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same sky

SERIES: TS14 | DESCRIPTION: TACTILE SWITCH

FEATURES

- 5~15 mm actuator
- crimped pins
- through hole

RoHS

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		0.25	0.35	0.45	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force 100 gf models 160 gf models 260 gf models		 100,000 80,000 60,000		 cycles cycles cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				

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

TS14 - 1212 - XX - BK - XXX - SCR - D

Base Number

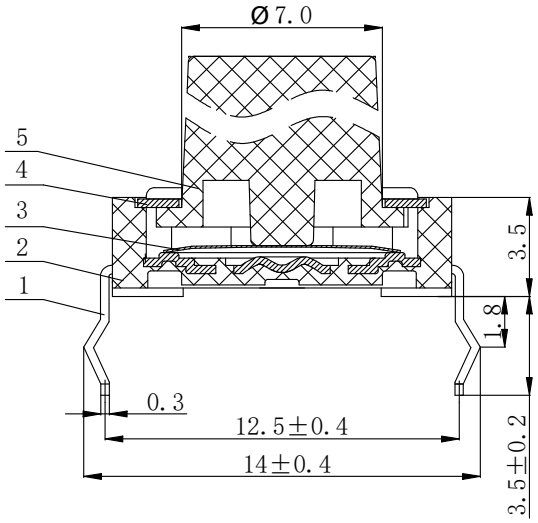
Actuator Height above PCB:
43 = 4.3 mm 80 = 8.0 mm
50 = 5.0 mm 90 = 9.0 mm
55 = 5.5 mm 100 = 10.0 mm
60 = 6.0 mm 120 = 12.0 mm
65 = 6.5 mm 140 = 14.0 mm
70 = 7.0 mm 150 = 15.0 mm

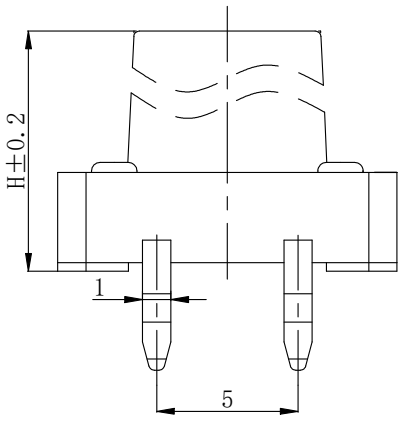
Push Force:
100 = 100 gf
160 = 160 gf
260 = 260 gf

MECHANICAL DRAWING

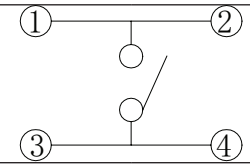
units: mm
tolerance: ±0.2 mm
unless otherwise noted

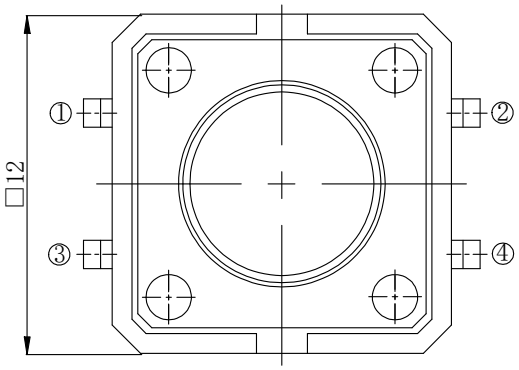
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PA66 (UL94HB)	black
3	contacts	stainless steel	silver
4	cover	stainless steel	
5	stem	PA66 (UL94HB)	black

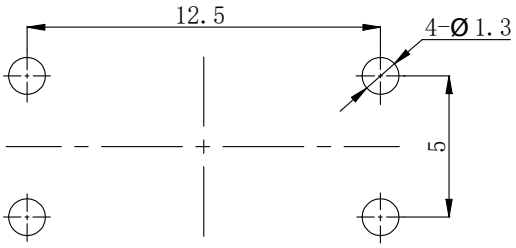




ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	





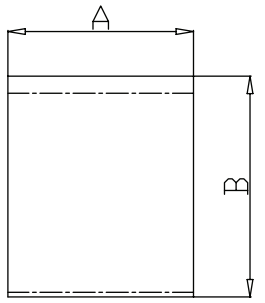


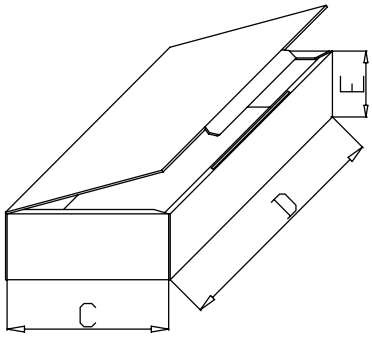
Recommended PCB Layout
Top View

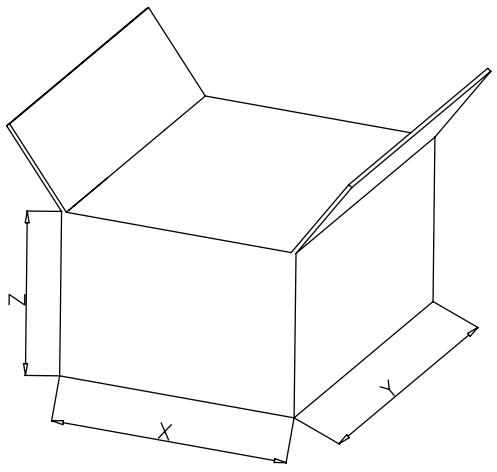
Operating Force Table		
Model	Press Force (gf)	Return Force (gf)
100	100±30	>20
160	160±50	>20
260	260±50	>20

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
4.3~10.0	160 x 190	500	160 x 216 x 61	1,000	350 x 455 x 270	16,000
12.0~15.0	160 x 190	500	160 x 216 x 61	500	350 x 455 x 270	8,000







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
1.03	changed terminal plating	11/03/2025

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.

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