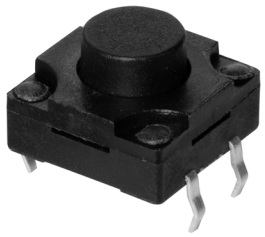
CUI DEVICES

SERIES: TS15 | **DESCRIPTION:** TACTILE SWITCH

FEATURES
- IP66
- crimped pins
- through hole



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

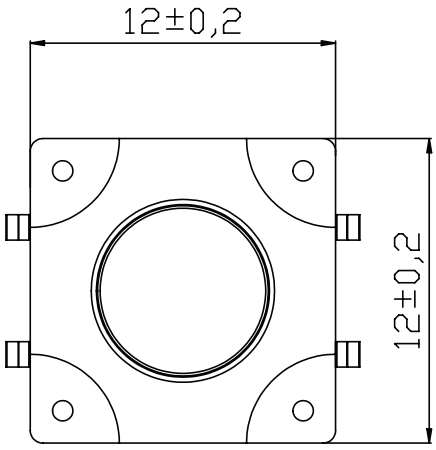
Actuator Height:
50 = 5.0 mm
65 = 6.5 mm
70 = 7.0 mm
80 = 8.0 mm
95 = 95 mm
100 = 10.0 mm
110 = 11.0 mm
125 = 12.5 mm
140 = 14.0 mm
150 = 15.0 mm

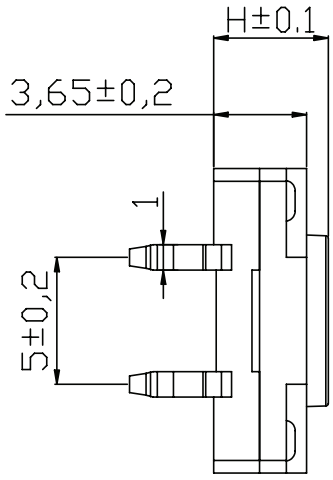
Push Force:
160 = 160 gf
260 = 260 gf

MECHANICAL DRAWING

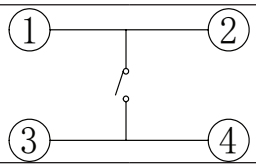
units: mm
tolerance: ±0.2 mm
unless otherwise noted

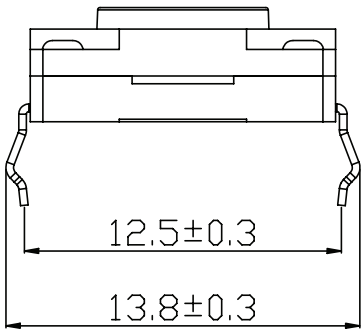
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PPA (UL94HB)	black
3	contacts	SUS	silver
4	cover	PPA (UL94HB)	black
5	stem	PPA (UL94HB)	black
6	silicone pads	gel	black

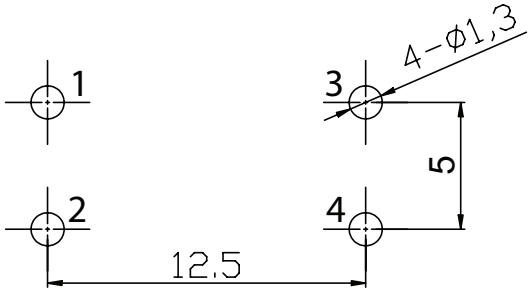




ACTUATOR POSITION ( ): MOMENTARY	
NORMAL	DOWN
OFF	(ON)
SCHEMATIC	





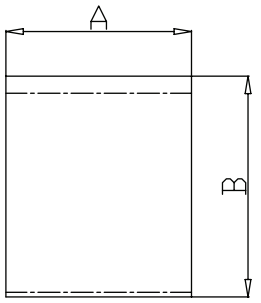


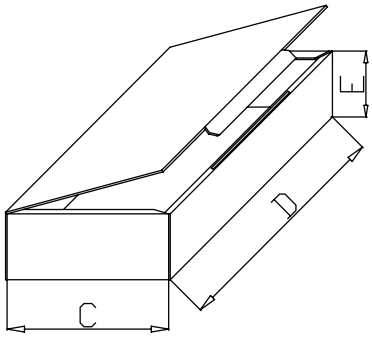
Recommended PCB Layout
Top View

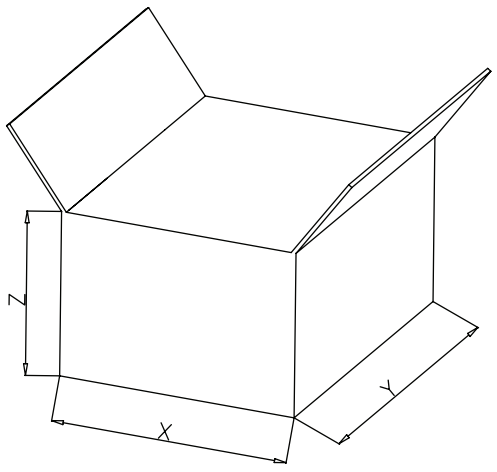
Operating Force Table		
Model	Press Force (gf)	Return Force (gf)
160	160±70	>20
260	260±100	>20

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







REVISION HISTORY

rev.	description	date
1.0	initial release	04/13/2022

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

CUI DEVICES

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

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