

date 08/05/2022

page 1 of 4

# SERIES: TS11 | DESCRIPTION: TACTILE SWITCH

#### **FEATURES**

- · right angle
- 4.3~15.3 mm actuator
- 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			ΜΩ
operating force	see force table				
actuator travel		0.15	0.25	0.35	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	ng force 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	Ves				

#### **SOLDERABILITY**

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

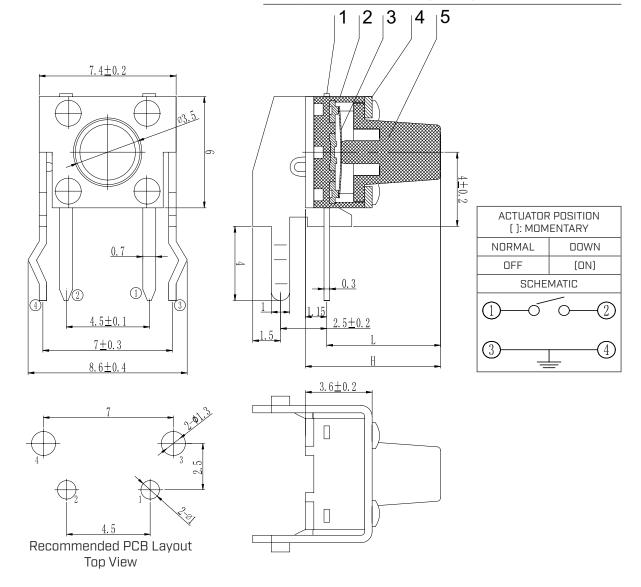
#### **PART NUMBER KEY**



### **MECHANICAL DRAWING**

units: mm tolerance: ±0.2 mm unless otherwise noted

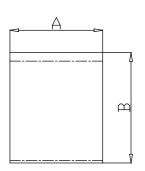
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	housing	PA66 (UL94HB)	black
3	contacts	stainless steel	silver
4	cover	CuSn	tin
5	stem	PA66 (UL94HB)	black

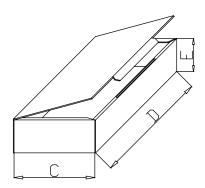


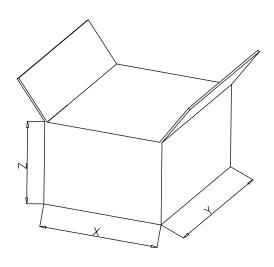
Operating Force Table					
Model	Press Force (gf)	Return Force (gf)			
100	100±30	>20			
160	160±50	>20			
260	260±50	>20			

# **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
4.3~8.5	160 x 190	1,000	160 x 216 x 48	2,000	350 x 455 x 270	40,000
9.5	160 x 190	1,000	160 x 216 x 61	2,000	350 x 455 x 270	32,000
10.5~15.3	160 x 190	1,000	160 x 216 x 48	1,000	350 x 455 x 270	20,000







#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/13/2022
1.01	logo, datasheet style update	08/05/2022

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



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

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