

**SERIES:** TS01 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- through hole
- 7.3 mm actuator
- black actuator

**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       |                                                                                                           | 0.15 | 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<br>100 gf models<br>160 gf models<br>260 gf models |      | 100,000<br>80,000<br>60,000 |      | cycles<br>cycles<br>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****TS01 - 66 - XX - BK - XXX - D**

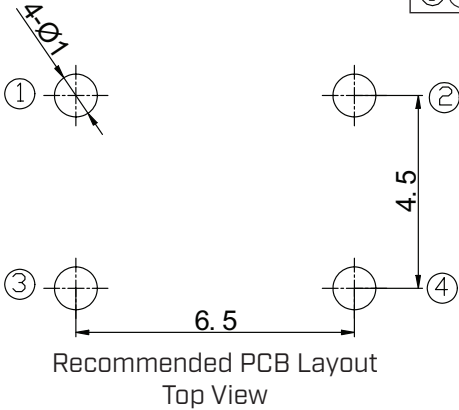
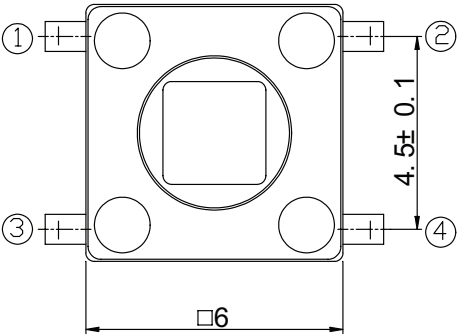
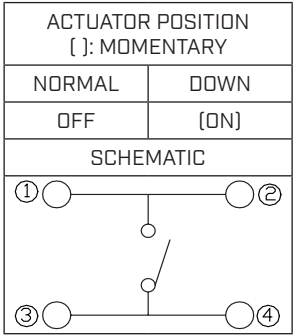
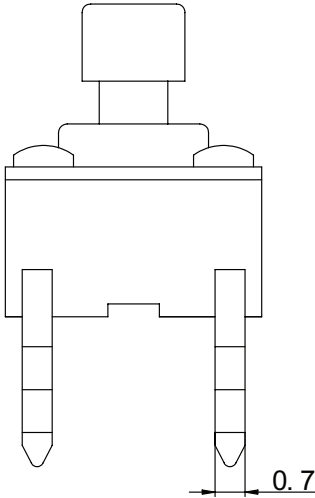
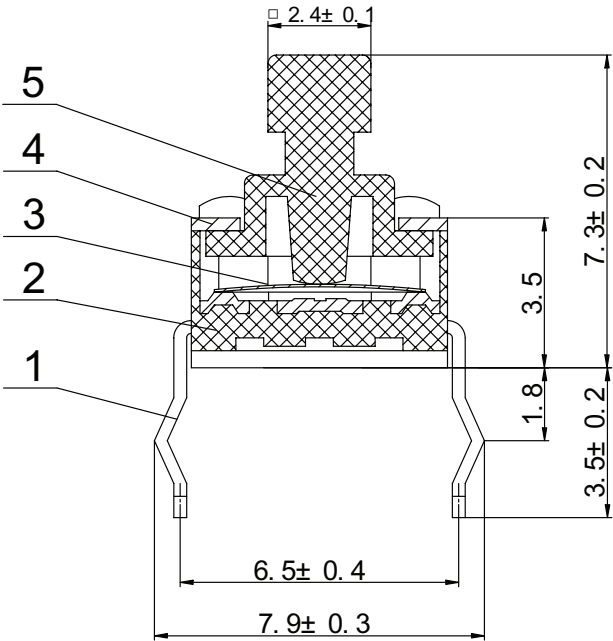
Base Number

Actuator Height:  
73 = 7.3 mmPush 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    | phosphor bronze | silver        |
| 4    | cover       | stainless steel |               |
| 5    | stem        | PA66 (UL94HB)   | black         |

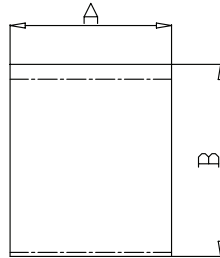


| Operting Force Table |                 |                  |
|----------------------|-----------------|------------------|
| Model                | Press Force [N] | Return Force [N] |
| 100                  | 1.0±0.3         | >0.2             |
| 160                  | 1.6±0.5         | >0.2             |
| 260                  | 2.6±0.5         | >0.2             |

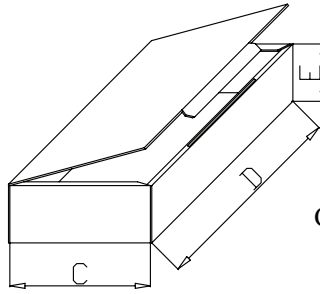
## PACKAGING

units: mm

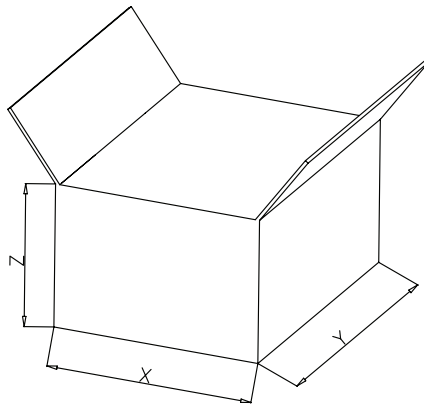
Bag Size: 190 x 160 mm  
Carton Box Size: 445 x 350 x 280 mm  
Bag QTY: 1,000 pcs per box  
Carton Box QTY: 60,000 pcs per bag



A=160mm、B=190mm



C=160mm、D=216mm、E=48mm



X=350mm、Y=455、Z=280mm

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 09/20/2021 |
| 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.

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