KSU Series
Micro Mini Surface Mount Detect Switches

Features/Benefits
- **New multi contact construction**
- **Metal actuator**
- **Low actuating force**
- **Gold contacts**
- **Compatible with pick and place machines**
- **RoHS compliant and compatible**

Typical Applications
- **Mobile phones and other handheld devices**
- **Portable medical devices**
- **Audio devices**
- **Automotive**
- **Alarm devices**
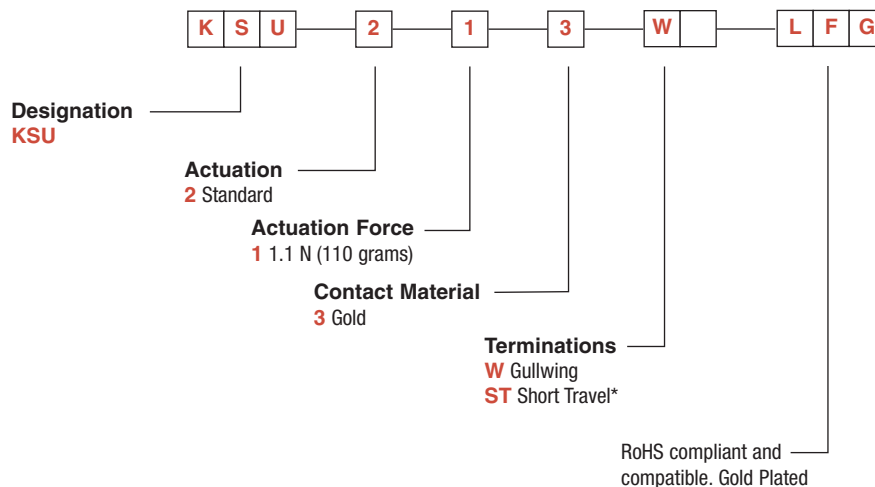- **Payment terminals**

Specifications

FUNCTION: Momentary action.

CONTACT TYPE: SPST Normally open.

TERMINALS: 4 SMT terminals.

MAXIMUM POWER: 0.2 VA

MIN./MAX. VOLTAGE: 20 mV – 32 VDC.

MIN./MAX. CURRENT: .01 mA – 0.01 A.

LOW LEVEL USE: 20 mV – 0.01 mA.

DIELECTRIC STRENGTH: ≥250 Vrms.

CONTACT RESISTANCE: ≤100 mΩ.

INSULATION RESISTANCE: (100 VDC) 10^9 Ω.

BOUNCE TIME: < 3 ms.

ACTUATING FORCE: 1,1 N ±0,8 N

TRAVEL TO MAKE: 0,65 mm - 0,45/+0,25 mm

MAXIMUM FORCE at max travel: 1,8 N

OPERATING TEMPERATURE: –40ºC to +125ºC.

MECHANICAL & ELECTRICAL LIFE: 100,000 cycles.

SOLDERABILITY: Infrared reflow. Compatible with lead free soldering process.

PACKAGING: Delivered on tape & reel of 1000 pieces. The reel diameter is 330mm (12.992). The tape dimensions conform to the EIA–481 and EC–286–3 norms.

STORAGE TEMPERATURE: –55ºC to + 125ºC.

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on page F-16. For additional options not shown in catalog, consult our Customer Service Center.
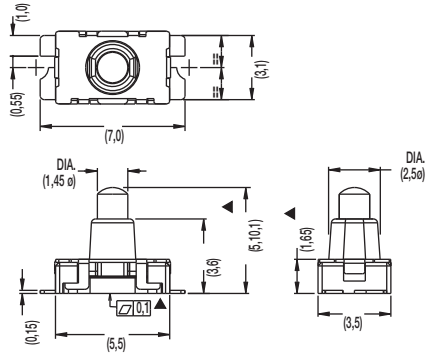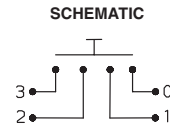
| K | S | U | 2 | 1 | 3 | W | | L | F | G |

Designation
KSU

Actuation
2 Standard

Actuation Force
1 1.1 N (110 grams)

Contact Material
3 Gold

Terminations
W Gullwing
ST Short Travel*

RoHS compliant and compatible. Gold Plated

*Travel: 0.45 + 0.1/-0.25 mm
Actuating Force: 0.7N ± 0.5N

First Angle Projection

Dimensions are shown: mm
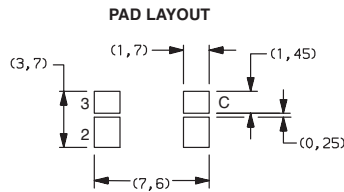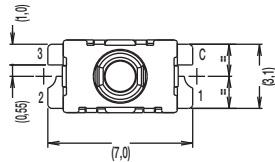Specifications and dimensions subject to change

KSU

KSU213W
SPST

W GULLWING

PAD LAYOUT

SCHEMATIC

TAPE & REEL

FEED DIRECTION

First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ck-components.com

F

Detect