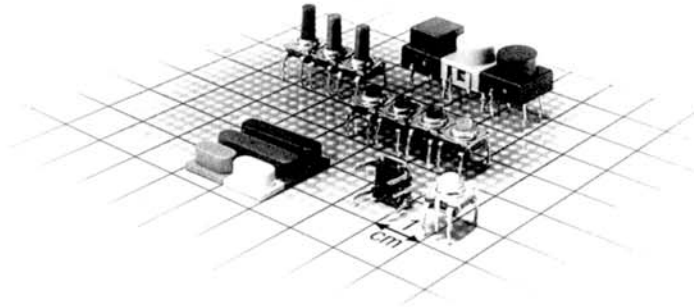


KSA Miniature Tact Switches



KSA

Miniature tact switch, single pole, single throw, normally open, designed for automatic or manual insertion.

Main features:

- Positive tactile feedback
- Travel 0.3 mm [.012 inch] ± 0.4 typical
- 5.08×7.62 mm [.200 \times .300 inch] footprint
- Available with cambered terminals to ensure self-retention on the printed circuit board in manual insertion, or with straight terminals for use in automatic insertion machines
- Minimum center to center spacing of 7.62×10.16 mm [.300 \times .400 inch]
- Sealed against flux soldering
- Can be delivered in packaging tubes of 65 pieces for automatic insertion or in a box of 500 pieces for manual insertion (250 for KSL-KSLV-KSAV)
- Optional: ground terminal
- KSA can be used in low level applications, with 5 Volts – $10 \mu\text{A}$ or 20 mV – 1 mA in TTL or CMOS applications

KSL

KSA with long actuator.
Height above PC board 10 ± 0.3 mm [.390 \pm .012 inch].

KSA 3N [300 grams]

(Blue actuator)

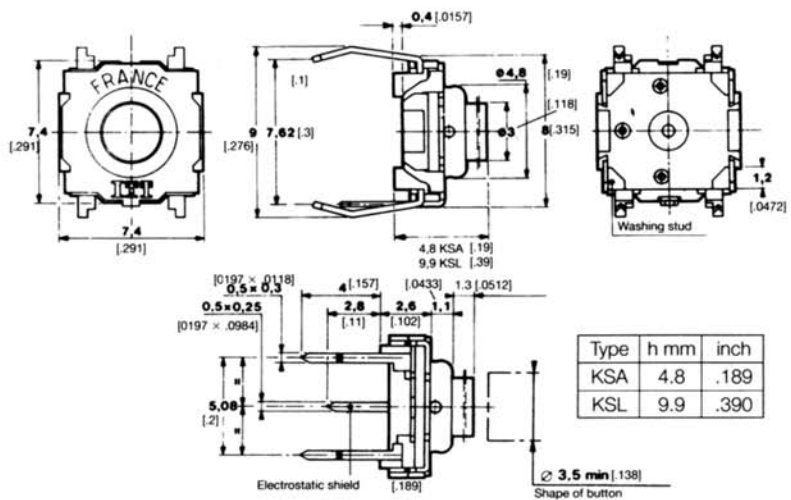
The KSA 3N [300 grams] is a version with higher actuation force 3N [300 grams] $\pm 25\%$ instead of 1.3N [130 grams] $\pm 25\%$. This new version is more suited to applications where tactile feedback is necessary. It can be used when the button, or actuation mechanism absorbs a part of the actuation force, with, for example, hinge buttons. This new version shows a large difference between the the actuation force and the return force, giving a good tactile feedback. See graph.

KSA 5N [500 grams]

(Yellow actuator)

This version with a higher actuation force of 5N [500 grams] gives a very good tactile feedback. Typical applications are in automotive and aircraft industries.

Dimensional Drawings · Dimensions in mm [inch]



Typical curves / operating life

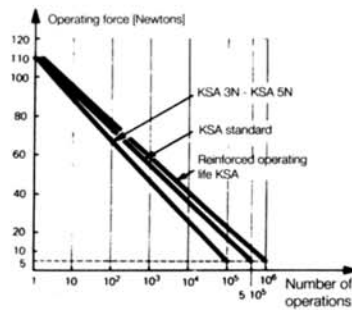


fig 1

Typical curves operating force / travel

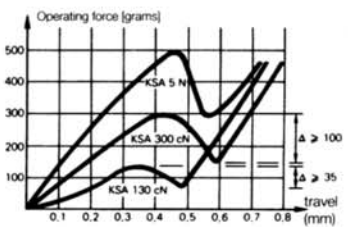


fig 2

PCB layout

