

## Features/Benefits

- Soft actuated switch
- Sealed front end
- Top and side actuated

Typical Applications

- Low profile keyboards
- Automotive interfaces
- Industrial control

| Specification |
| :--- |
| FUNCTION: momentary action |
| CONTACT ARRANGEMENT: 1 make conact = SPST, N.O. |
| TERMINALS: THT pins |
| Mechanical |
|  Force Operating life <br> (operations) Travel <br> (mm) <br> Type 1.5 ) 100,000 $0.25 \pm 0.1$ <br> KSFOM211LFTR $1.5 \pm 0.5$ 100,000 $0.25 \pm 0.1$ <br> KSFOM311LFTR $1.9 \pm 0.5$ 100,000 $0.25 \pm 0.1$ <br> KSFOM411LFTR $3.0 \pm 0.75$ 100,000 $0.25 \pm 0.1$ <br> KSFOM511LFTR $5.2 \pm 1.0$ 100,000 $0.65 \pm 0.25$ <br> KSFIOV91170SH LFTR $3.4 \pm 1.5$ 100,000 $0.25 \pm 0.1$ <br> KSFOM212 LFT $1.6 \pm 0.4$ 300,000  <br> KSFIOM412 70SHLFT $3.2 \pm 0.8$ 100,000 $0.75 \pm 0.25$ |

Overload resistance: 40N, 1 time
Sealing: IP60 or IP67
NOTE: Other configurations of haptics and terminals are available upon demand. Please also refer to KSF and KSFI Mk2 catalogues pages for other options.

This product is designed and manufactured for general electronic devices. For systems where reliability and safety are required, please contact your sales representative to secure product integration and function to secure usage.

| Electrical | Silver | Gold |
| :--- | :---: | :---: |
| MAXIMUM POWER: | 1 VA | 0.2 VA |
| MAXIMUM VOLTAGE: | 32 VDC | 32 VDC |
| MINIMUM VOLTAGE: | 20 mV | 20 mV |
| MAXIMUM CURRENT: | 50 mA | 10 mA |
| MINIMUM CURRENT: | 1 mA | 1 mA |
| DIELECTRIC STRENGTH ( $50 \mathrm{~Hz}, 1 \mathrm{~min}.):>250 \mathrm{Vrms}$ |  |  |
| CONTACT RESISTANCE: $<100 \mathrm{~m} \Omega$ |  |  |
| INSULATION RESISTANCE $\left(100 \mathrm{~V}\right.$, initial stage): $>10^{\circ} \Omega$ |  |  |
| BOUNCE TIME: $<1 \mathrm{~ms}$ |  |  |
| Environmental |  |  |
| OPERATING TEMPERATURE: | $-40^{\circ} \mathrm{C}$ to $85^{\circ} \mathrm{C}$ | $-40^{\circ} \mathrm{C}$ to $125^{\circ} \mathrm{C}$ |
| STORAGE TEMPERATURE: | $-55^{\circ} \mathrm{C}$ to $85^{\circ} \mathrm{C}$ | $-40^{\circ} \mathrm{C}$ to $125^{\circ} \mathrm{C}$ |

## Process

SOLDERING

## Packaging

In boxes of 250 pieces ( $V$ type) or 500 pieces ( M type).

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

However, please note that all the combinations of these options are not feasible.
For any part number different from those listed above, please consult your local representative.


## KSF




## KSFI OV




## X-ON Electronics

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