KMR D Series
Momentary Detect Switches

Littelfuse® **C&K** Switches

Description

KMR D series is microminiature SMT top actuated detect switch. KMR D detect is an ultra-miniature detector switch with single normally open contact. The switch is ideal for IoT, consumer electronics and bluetooth devices.

Features & Benefits

- Ground pin
- Height 2.5 mm
- Compact size 4.6 x 2.8
- Momentary detect
- IP40

Applications

- IoT
- Consumer electronics
- Bluetooth headset

Specifications

Function	Momentary action
Contact Arrangement	1 make contact = SPST, N.O.
Terminals	Gullwing type for SMT

Mechanical Characteristics

Type	Fce Forward (N)	Fce Return	Travel (mm)	Operating Life
KMR401G LFS	0.35≤Fce≤1.85N	0.15≤Fce≤1.65N	0.225 ±0.175	100,000

Electrical Characteristics

Maximum Power	1 VA
Maximum Voltage	32 VDC
Minimum Voltage	20 mVDC
Maximum Current	50 mA
Minimum Current	1 mA
Dielectric Strength	≥ 250 Vrms
Contact Resistance	≤ 100mΩ
Insulation Resistance	≥ 1 GΩ
Bounce Time	≤ 3 ms

Environmental Characteristics

Operating Temperature	-40˚C to 85˚C
Storage Temperature	-55˚C to 85˚C

Process

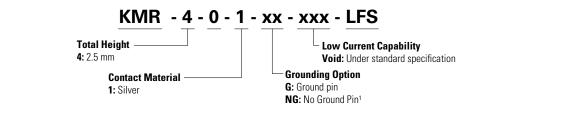| Soldering	Lead free reflow soldering process in accordance with IEC 61760-1.
Packaging	In reels of 6,000 pieces. External diameter 330 mm ± 2mm

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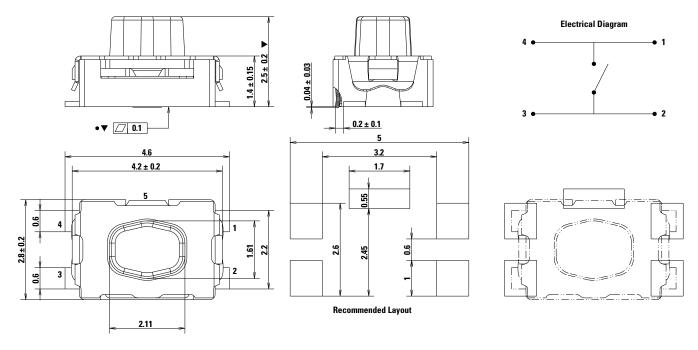
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Ordering Number

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on the next page. For additional options not shown in catalog, consult Customer Service Center.
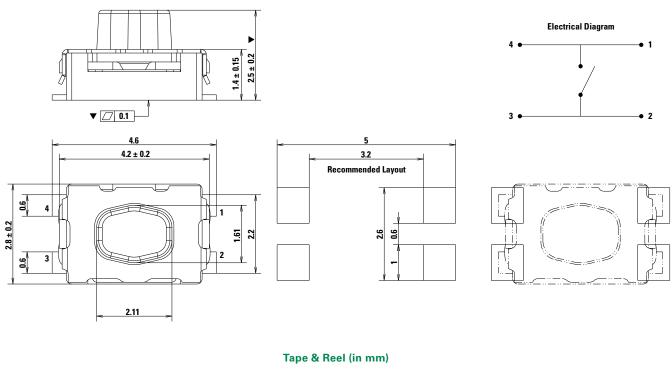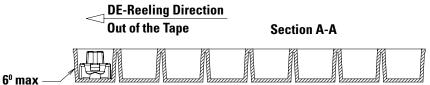
KMR - 4 - 0 - 1 - xx - xxx - LFS

Total Height
4: 2.5 mm

Contact Material
1: Silver

Grounding Option
G: Ground pin
NG: No Ground Pin[1]

Low Current Capability
Void: Under standard specification

Notes:
1. On request

G - Ground Pin Dimensions (in mm)

Electrical Diagram

Recommended Layout

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NG - No Ground Pin Dimensions (in mm)

Electrical Diagram

Recommended Layout

Tape & Reel (in mm)

DE-Reeling Direction
Out of the Tape

Section A-A

6⁰ max

2.75 ± 0.1

4 ± 0.1

2 ± 0.05   ø 1.5 ± 0.1

B

1.75

12 +0.3 −0.1

5.5 ± 0.05

4.95 ± 0.1

A

A

6⁰ max
Ground Terminal

0.292 ± 0.02

B

3.03 ± 0.1

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