

KMS Series Microminiature SMT Side Actuated

Features/Benefits

- 1.42mm thickness with excellent tactile feel
- ESD protection by compact size
- Positioning pegs for stability
- RoHS compliant and compatible

Typical Applications

- Mobile phones
- Medical handheld monitors
- Consumer electronics
- Telecommunication networks



Tactile Switches

Specification

FUNCTION: Momentary
CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: Gullwing type for SMT
IP40 Sealed

Mechanical

OVERLOAD: 20N
TACTILE FEELING: 15% min. for the 2N version
25% min for the 2.5N version

Type	Operating force Newtons (grams)	Operating life (operations)	Travel
KMS221G/GP	2N (200) ± 0.5	100 K cycles	0,25 ± 0,15
KMS223G/GP	2N (200) ± 0.5	100 K cycles	0,25 ± 0,15
KMS231G/GP	3N (300) ± 0.6	100 K cycles	0,3 ± 0,15
KMS233G/GP	3N (300) ± 0.6	100 K cycles	0,3 ± 0,15

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

Packaging

Tape and reels in reels of 3,000 pieces.
External diameter 330mm ± 2mm.

Electrical

	Silver	Gold
MAXIMUM POWER:	1 VA	0.2 VA
MAXIMUM VOLTAGE:	32 VDC	32 VDC
MAXIMUM CURRENT DC:	50 mA	10 mA
MINIMUM CURRENT DC:	1 mA	1 mA
DIELECTRIC STRENGTH:	250 VDC	
CONTACT RESISTANCE:	≤100 mΩ	
INSULATION RESISTANCE:	10 ⁹ Ω	
BOUNCE TIME:	≤ 3 ms	

Environmental

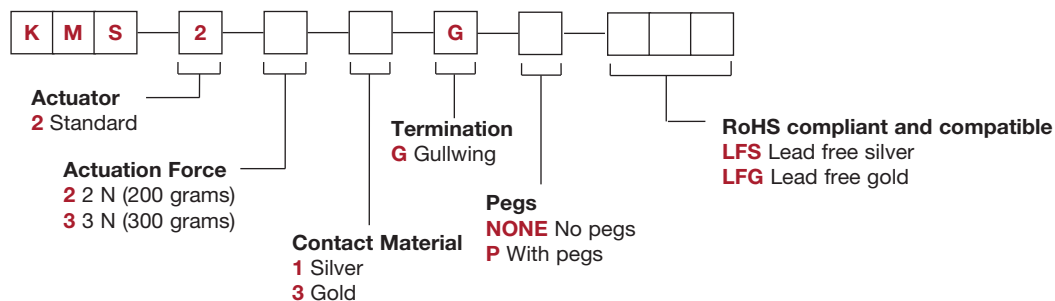
	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C

Process

Soldering: Lead free reflow soldering process in accordance with IEC 61760-1.

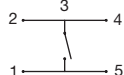
How To Order

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.

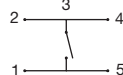


Tactile Switches

Electrical Diagram



Electrical Diagram



Technical drawing of a 5-hole punch tool. The drawing includes a side view on the left showing a 7° max angle and a 0,229 ± 0,02 dimension. The main view is a top-down perspective of the punch with five holes. Dimensions include a total width of 1,67 ± 0,1, a hole diameter of ø 1,5 ± 0,1, and a hole pitch of 8 ± 0,1. The punch has a length of 4,95 ± 0,1 and a hole depth of 5,5 ± 0,05. The punch is made of A2 steel and is heat-treated to HRC 60-62.



Mouser Electronics

Authorized Distributor

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C&K Switches:

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[KMS223GPLFG](#)