

Features/Benefits

- Excellent tactile feel
- Wide variety of LED's, travel and actuation forces
- Designed for low-level switching
- Detector version available
- RoHS compliant

Typical Applications

- Automotive
- Industrial electronics
- Computers and network equipment



Construction

FUNCTION: momentary action

CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

DISTANCE BETWEEN BUTTON CENTERS:

min. 7,5 and 11,8 (0.295 and 0.465)

TERMINALS: Snap-in pins, tinned

MOUNTING: Soldered by PC pins, locating pins

PC board thickness: 1,5 (0.0591)

Mechanical

TOTAL TRAVEL/SWITCHING TRAVEL: 1,5/0,9 (0.059/0.035)

PROTECTION CLASS: IP 40 according to DIN/IEC 529

1) Voltage rise: 300 V/s

2) According to DIN 41640; IEC 512-2

3) Higher values upon request

Packaging

THT: bulk in boxes of 500 pieces

SMT: bulk in boxes of 500 pieces

reels of 500 pieces (with LED) or 750 pieces (without LED)

Electrical

SWITCHING POWER MIN./MAX.: 0.02 mW / 3 W DC

SWITCHING VOLTAGE MIN./MAX.: 2 V DC / 30 V DC

SWITCHING CURRENT MIN./MAX.: 10 mA /100 mA DC

DIELECTRIC STRENGTH (50 Hz)¹⁾²⁾: ≥ 300 V

OPERATING LIFE: ≥ 2 x 10⁵ operations ³⁾

≥ 1 X 10⁵ operations for SMT version

CONTACT RESISTANCE: Initial ≤ 50 mΩ

INSULATION RESISTANCE: ≥ 10¹⁰ Ω

BOUNCE TIME: ≤ 1 ms

Operating speed 100 mm/s (3.94/s)

Environmental

OPERATING TEMPERATURE: -40°C to 85°C.

STORAGE TEMPERATURE: -40°C to 95°C.

Process

SOLDERABILITY:

THT: wave soldering, compatible with lead free soldering profile

Hand soldering, 350°C for 3s

SMT: not compatible with lead free reflow profile

245°C for 5s

How To Order

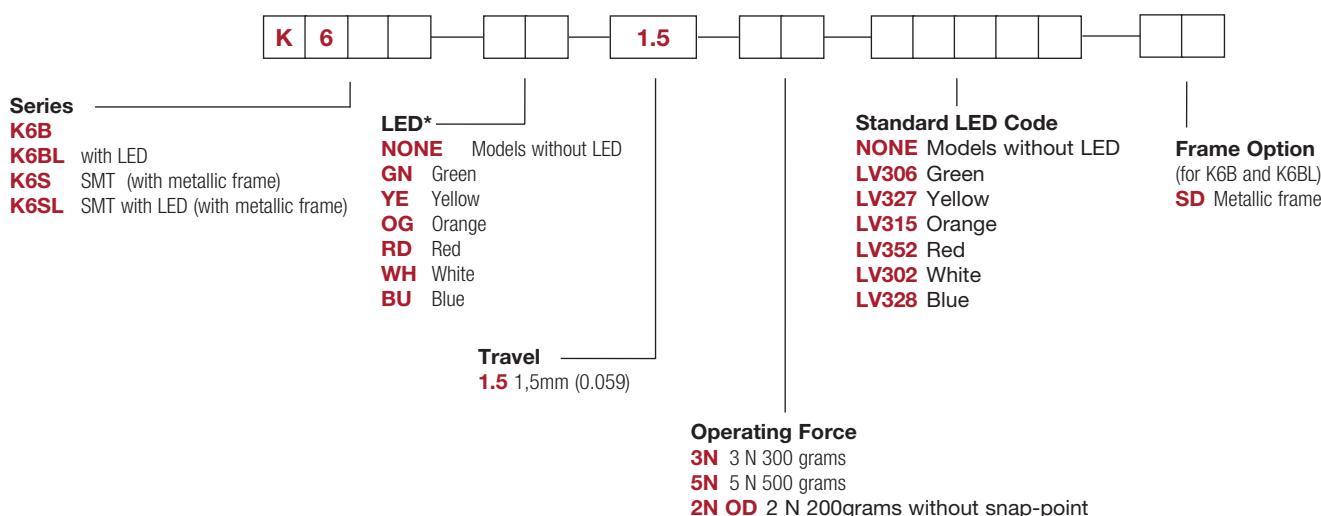
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

Note: Some of the configurations may not be available or could require some development.



D

Key Switches



* Additional LED colors available by request.

K6 Miniature Key Switches

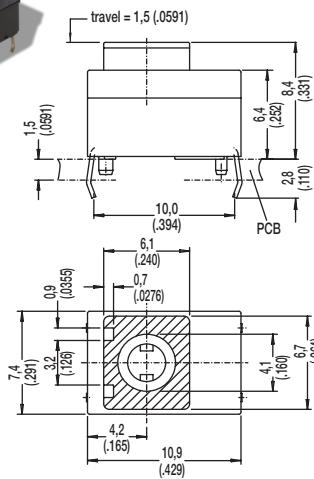
SERIES



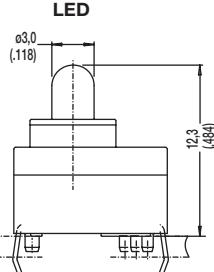
K6B WITHOUT LED

K6BL WITH LED

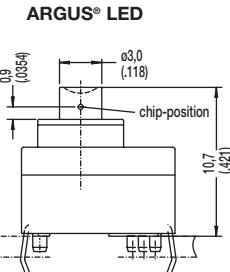
WITHOUT LED



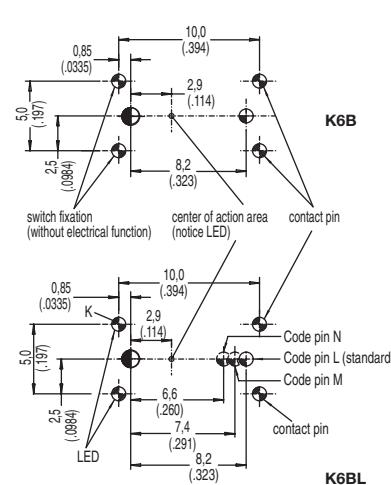
LED



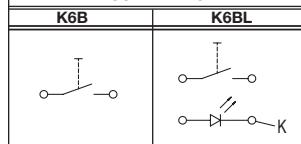
ARGUS® LED



PCB LAYOUT, MOUNTING SIDE



SCHEMATIC



Hole

\varnothing

Without LED

With LED

Description

Terminal Section

Surface



1x

1x

center hole



1x

1x

code

(L,M,N)



2x

4x

LED switch



0,6 x 0,3

(.0236 x .0118)

0,6 x 0,3

(.0236 x .0118)

SnPb

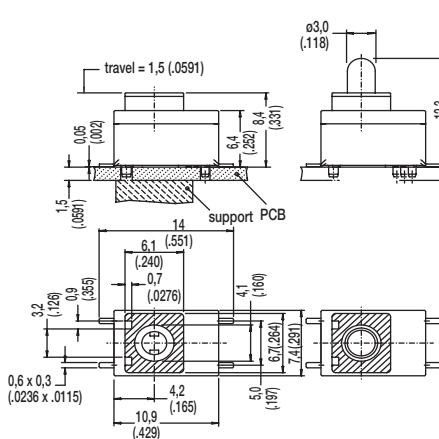
K6S WITHOUT LED

K6SL WITH LED

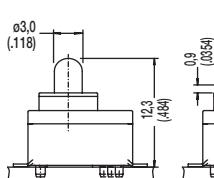


D

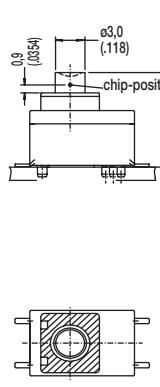
WITHOUT LED



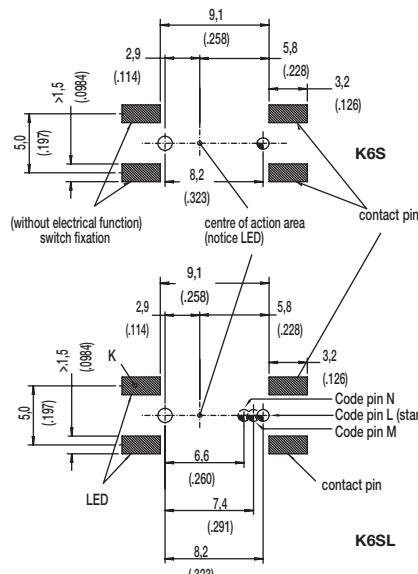
LED



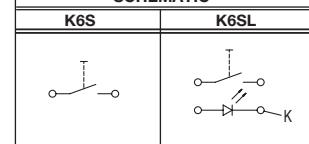
ARGUS® LED



PCB LAYOUT, MOUNTING SIDE



SCHEMATIC



Hole

\varnothing

Without LED

With LED

Description

1x

1x

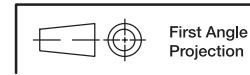
center hole

1x

1x

code

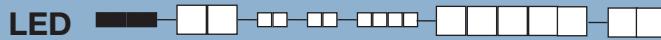
(L,M,N)



Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com

K6 Miniature Key Switches

LED 

OPTION CODE	COLOR
NONE	Models without LED
GN	Green
YE	Yellow
OG	Orange
RD	Red
WH	White
BU	Blue

STANDARD LED CODE	COLOR
NONE	Models without LED
LV306	Green
LV327	Yellow
LV315	Orange
LV352	Red
LV302	White
LV328	Blue

Additional LED colors available by request

TRAVEL 

1.5 1.5 MM

OPERATING FORCE 

OPTION CODE	OPERATING FORCE
3N	3 N, 300 g
5N	5 N, 500 g
2N OD	2 N, 200g without snap-point

FRAME OPTION 

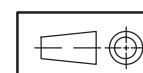
SD METALLIC FRAME (OPTION FOR K6B AND K6BL)

NOTE: K6S and K6SL are equipped with metallic frame (SD not specified)



D

Key Switches



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[K6BL OG 1.5 5N](#) [K6BL GN 1.5 5N](#) [K6BL YE 1.5 3N](#) [K6BL YE 1.5 5N](#) [K6BL GN 1.5 3N](#) [K6BL RD 1.5 3N](#) [K6BL RD 1.5 5N](#) [K6BL OG 1.5 3N](#) [K6B 1.5 5N](#) [K6B 1.5 3N](#) [K6BL RD 1.5 3N L352](#) [K6BL YE 1.5 3N L327](#) [K6BL YE 1.5 5N L327](#) [K6BLGN1.5 3N L306](#) [K6BL OG 1.5 3N L405](#) [K6BL0G1.52N0DL315](#) [K6BLBU1.53NL328](#) [K6BLGN1.52N0DL306](#) [K6BLRD1.52N0DL352](#) [K6BLWH1.53NL302](#) [K6BLYE1.52N0DL327](#) [K6S1.53NSD](#) [K6SL0G1.55NL315KART0N](#) [K6SLGN1.53NL306SD](#) [K6SLGN1.55NL306SD](#) [K6SLGN1.55NL326SD](#) [K6SLWH1.55NL302SD](#) [K6SLYE1.54NL327SD](#) [K6SLYE1.55NL327SD](#) [K6BL0G1.53NL315](#) [K6BL0G1.53NL405](#) [K6BL0G1.55NL315](#) [K6BLBU1.55NL328](#) [K6BL GN 1.5 3N L306](#) [K6BL RD 1.5 5N L352](#) [K6BL0G1.52NLV3150D](#) [K6SL0G15NLV315KART0NSD](#) [K6BLRD1.52NLV3520D](#) [K6BLPG1.53NLV316](#) [K6SLWH1.55NLV302TRSSD](#) [K6BLPG1.52NLV3160D](#) [K6BLGN1.52NLV3060D](#) [K6BLYE1.52NLV3270D](#) [K6BLGN1.55N](#)