

SERIES

total travel 1 or 1.5mm

Technical drawing of a 3-ported solenoid valve, showing side, top, and bottom views with dimensions in mm and inches.

Side View Dimensions:

- Stroke: total travel 1 or 1.5mm
- Coil height: 9 mm [354]
- Valve body height: 11 mm [433.4]
- Port diameter: $\varnothing 1$ [0.0394]
- Port center-to-center distance: 29 mm [1141]

Top View Dimensions:

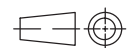
- Port diameter: $\varnothing 9,8$ [386]
- Port center-to-center distance: $\sim 10,9$ [429]
- Valve body width: 12 mm [472]

Bottom View:

- Shows the internal valve mechanism and mounting holes.

[illegible]

	1,1 ^{+0,05}	2x	2x	center hole		
	0,9 ±0,05		2x	LED	ø0,5 (.020)	Sn
		2x	2x	switch	0,7x0,2 (.028x.081)	Sn
Hole	ø	Without	with LED	Discription	Terminal Section	Surface



First Angle
Projection

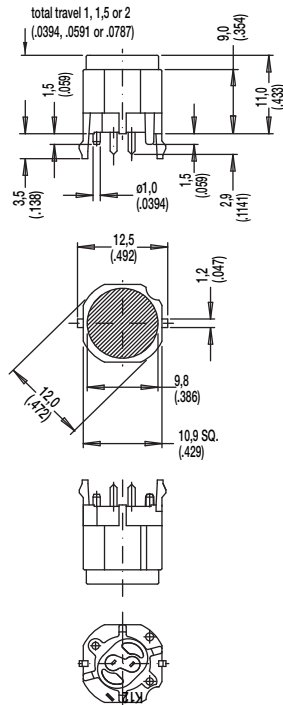
Dimensions are shown: mm
Specifications and dimensions subject to change

K12

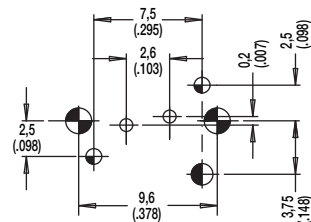
High Performance Key Switches

SERIES 

K12P with snap in



PCB LAYOUT, MOUNTING SIDE

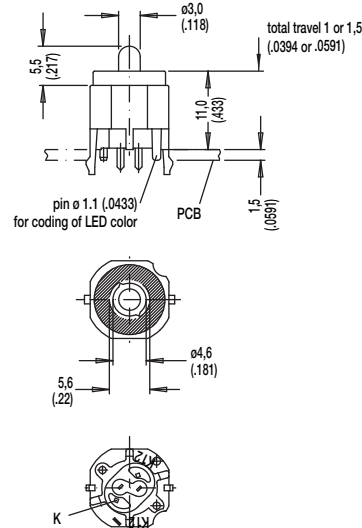


center of actuation area (notice LED)

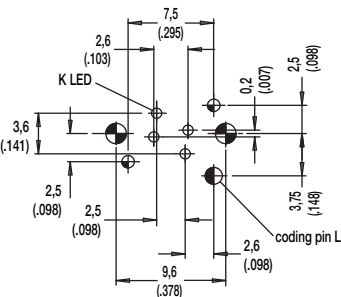


Hole	Ø	Without LED	Description	Terminal Section	Surface
	1,7 (.069)	2x	snap-in		
	1,6 (.062)	1x	coding hole (L,M,N)		
	1,1 (.043)	2x	center hole		Sn
	0,9 (.035)	2x	switch	0.7 x 0.2 (.028 x .081)	Sn

K12PL



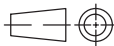
PCB LAYOUT, MOUNTING SIDE



center of actuation area (notice LED)



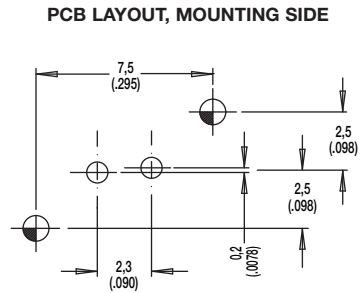
Hole	Ø	Without LED	Description	Terminal Section	Surface
	1,7 (.069)	2x	snap-in		
	1,6 (.062)	1x	coding hole (L,M,N)		
	1,1 (.043)	2x	center hole		Sn
	0,9 (.035)	2x	LED	m0.5 (.020)	Sn
		2x	switch	0.7 x 0.2 (.028 x .081)	



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

SERIES



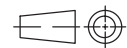
SCHEMATIC	
A	R

Hole	Ø	Without LED	Description	Terminal Section	Surface
 	1,1 (.043)	2x	center hole		
	0,9 (.035)	2x	switch	0.7 x 0.2(.0275 x .0787)	Sn



D

Key Switches



First Angle Projection

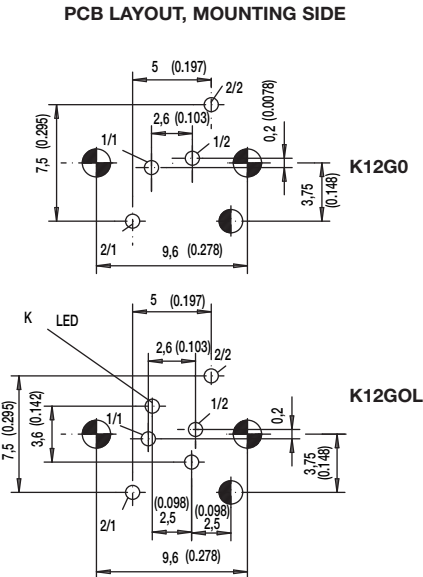
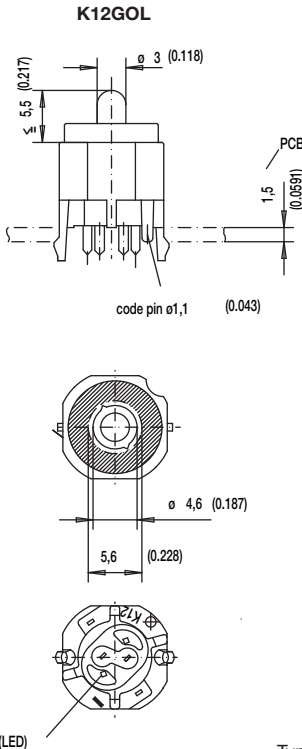
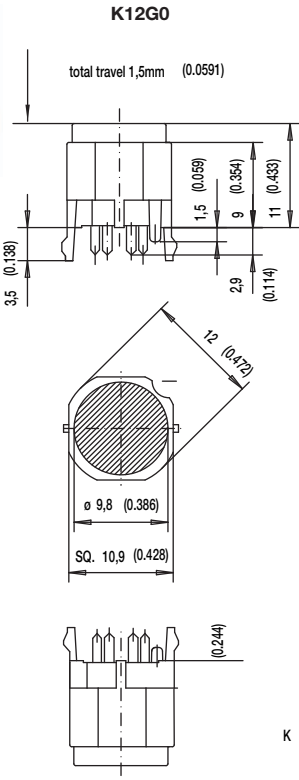
Dimensions are shown: mm
Specifications and dimensions subject to change

K12

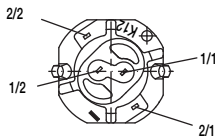
High Performance Key Switches

SERIES

K12GO
K12GOL



Type K12G and K12GL
see drawing: 844-9001-601 or 844-900-1601 with LED holder by side



actuation area

SCHEMATIC	
K12G	K12GL

Hole	Ø	Without LED	With LED	Description	Terminal Section	Surface
	1,7 (.069)	2x	2x	snap-in		
	1,6 (.062)	1x	1x	code		
	0,9 (.035)		2x	2 LED	m0.5 (.020)	Sn
			2x	LED		Sn
		2x	2x	switch 2	0.7 x 0.3 (.028 x .012)	Sn
		2x	2x	switch 1	0.7 x 0.2 (.028 x .081)	Sn



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ck-components.com

C&K

K12

OPTION CODE	COLOR
NONE	Version with LED
BK	Black - no LED
YE	Yellow - no LED
RD	Red - no LED
GY	Gray - no 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
L306	Green
L327	Yellow
L315	Orange
L352	Red
L302	White
L328	Blue

1 1 mm
1.5 1.5 mm
2 2 mm

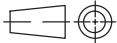
```

graph LR
    n1[ ] --- n2[ ]
    n2 --- n3[ ]
    n3 --- n4[ ]
    n4 --- n5[ ]
    n5 --- n6[ ]
    n6 --- null(( ))
    style n1 fill:#000,stroke:#000
    style n2 fill:#000,stroke:#000
    style n3 fill:#000,stroke:#000
    style n4 fill:#000,stroke:#000
    style n5 fill:#fff,stroke:#000
    style n6 fill:#fff,stroke:#000
    style null fill:none,stroke:none
  
```

OPTION CODE	OPERATING FORCE
1.5N OD	1.5 N, 150g without snap-point
2.5N	2.5 N, 250g
3.5N	3.5 N, 350g
5N	5 N, 500g
3.5/7N	3.5/7 N, 350/700g
6/12N	6/12 N, 600-1200g



Key Switches



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change