

K12 D Series

High Performance Detect Switches



Description

K12 D high performance detect switch is perfect for off-road vehicles, joysticks, industrial electronics and medical equipment. K12 D is designed for low-level switching and is made to last. It is compliant with the permanent actuation.

Features & Benefits

- Overtravel up to 1.4 mm
- Permanent actuation possible
- Designed for low-level switching

Applications

- Off-road transportation
- Industrial electronics
- Joysticks
- Medical equipment

Specifications

Function	Momentary
Distance Between Button Centers	Min. 11 (0.433)
Terminals	PC pins, tinned
Mounting	Locating pins; K12P additionally with snap-in-housing

Mechanical Specifications

Total Travel	1.5 mm, 2 mm
Operating Force	1.5 N OD without snap-point as detector switch
Switching Travel	0.6 mm ¹

Notes

1. Additional switching travel (with pre-travel) available by request.

Electrical Specifications

Switching Power Min./Max.	0.02mW/3 W
Switching Min./Max. Voltage	2 V DC / 30 V DC
Switching Current Min./Max.	10 mA / 100 mA
Dielectric Strength (50 Hz, 1 min)	≥ 500 V
Operating Life/ with Max. Switching Power	≥ 10 ⁶ operations
Contact Resistance	Initial ≤ 50 mΩ
Insulation Resistance	≥ 10 ¹⁰ Ω
Bounce Time	≤ 1 ms Operating speed 100 mm/s (3.94/s)

Environmental Specifications

Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 95°C

Process

Soldering	Wave soldering, compatible with lead free soldering profile Hand soldering, 350°C
Packaging	Bulk in boxes of 300 pieces

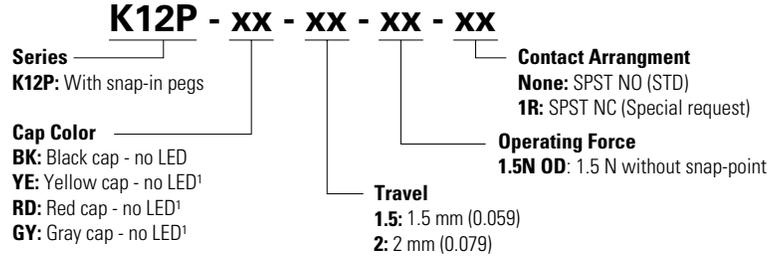
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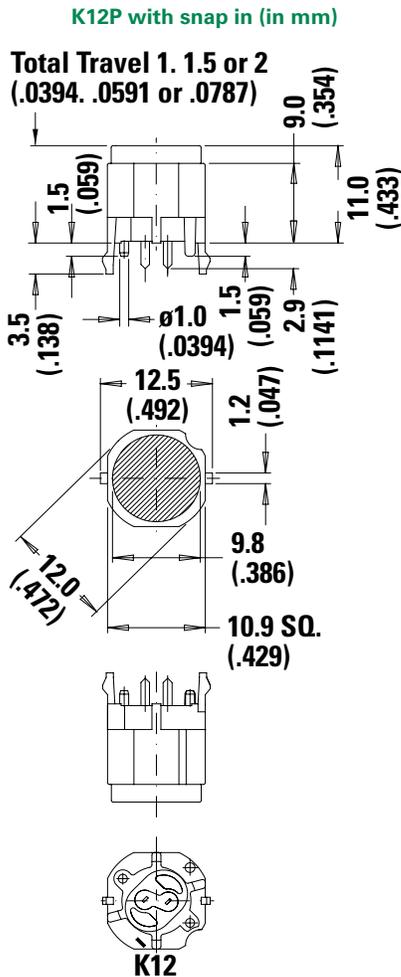
Ordering Number

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.

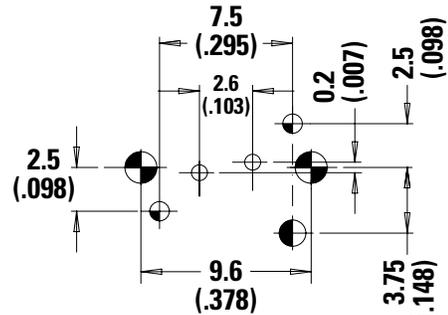


Notes:
1. On request

Series



PCB layout, mounting side



Center of Actuation Area (Notice LED)

Hole	Ø	Without LED	Description	Terminal Section	Surface
	1.7 (0.069)	2x	Snap-in	-	-
	1.6 (0.062)	1x	Coding hole (L,M,N)	-	-
	1.1 (0.043)	2x	Center hole	-	Sn
	0.9 (0.035)		Switch	0.7 x 0.2 (0.028 x 0.081)	

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