

K12 D

High Performance Detect Switches

Features/Benefits

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

Typical Applications

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



Construction

FUNCTION: momentary

DISTANCE BETWEEN BUTTON CENTERS:

min. 11 (0.433)

TERMINALS: PC pins, tinned

MOUNTING: Locating pins; K12P additionally with snap-in housing

Mechanical

TOTAL TRAVEL: 1.5 mm, 2 mm

SWITCHING TRAVEL: 0,6 mm *

OPERATING FORCE: 1.5 N OD without snap-point as detector switch

* Additional switching travel (with pre-travel) available by request

Packaging

Bulk in boxes of 300 pieces

Electrical

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

SWITCHING VOLTAGE MIN./MAX.: 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: $\geq 10^6$ operations

CONTACT RESISTANCE: Initial ≤ 50 m Ω

INSULATION RESISTANCE: $\geq 10^{10}$ 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:

Wave soldering, compatible with lead free soldering profile

Hand soldering, 350°C

Build-A-Switch

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.

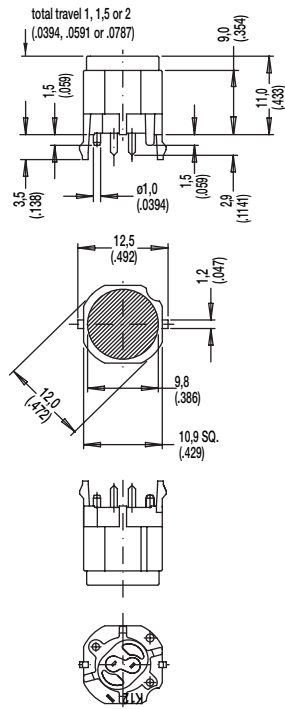
Series K12P With snap-in pegs	Cap Color BK Black cap – No LED YE Yellow cap – No LED * RD Red cap – No LED * GY Gray cap – No LED *	Travel 1.5 1.5 mm (0.059) 2 2 mm (0.079)	Contact Arrangement NONE SPST NO (STD) 1R SPST NC (Special request)	Operating Force 1.5N OD 1.5 N without snap-point
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* On request

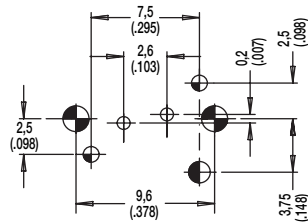
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SERIES

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