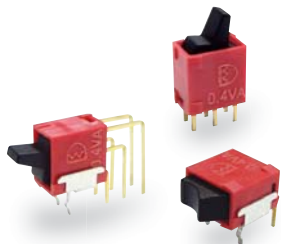


# KSD

SWITCH CONNECTOR



## SPECIFICATIONS

**CONTACT RATING:** 0.4 VA max. @ 20 V AC or DC max.

**MECHANICAL LIFE:** 40,000 make-and-break cycles.

**CONTACT RESISTANCE:** Below 100 mΩ typ. (initial value)  
@ 2-4VDC, 100mA.

**INSULATION RESISTANCE:** 500MΩ min/500VDC

**DIELECTRIC STRENGTH:** 500 Vrms min@sea level. (initial value)

**OPERATING TEMPERATURE:** -30°C to 85°C.

## MATERIALS

**HOUSING & BASE :** Glass filled nylon 6/6 or 4/6, flame retardant, heat stabilized(UL94V-0).

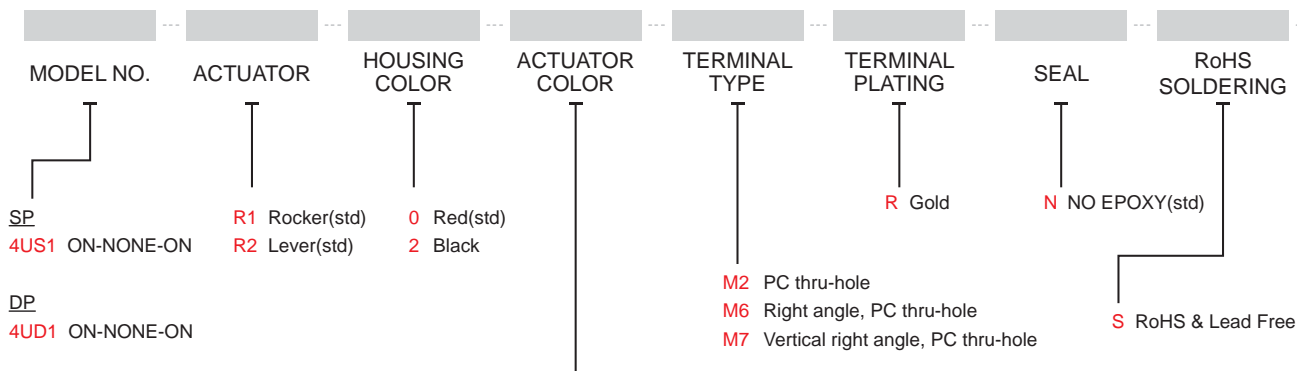
**ACTUATOR:** Glass filled nylon 6/6, flame retardant, heat stabilized (UL94V-0).

**SWITCH SUPPORT:** Brass with tin plate

**CONTACT:** Phosphor bronze with gold plated over nickel plated.

**TERMINALS:** Brass with gold plated over nickel plated.

## HOW TO ORDER



ITEM NO	COLOR
0	Without
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
9	Gray

\*

\* Except standard color, for other colors information please consult sales representativity.

EXAMPLE:  
4US1R1□M2RNS (STD)  
└ Actuator color

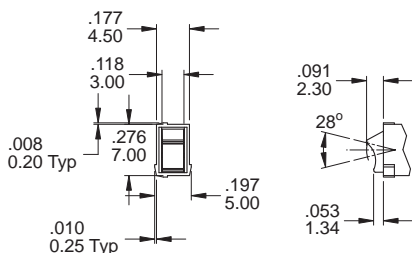


## ▼ SWITCH FUNCTION

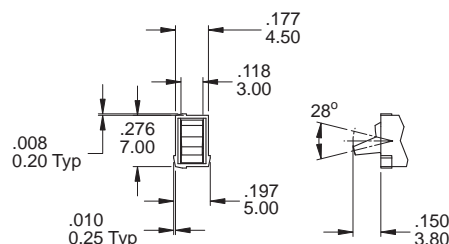
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	4US1	ON	NONE	ON	5-6 	N/A	5-4 
DP	4UD1	ON	NONE	ON	5-6,2-3 	N/A	5-4,2-1 

## ▼ ACTUATOR OPTIONS

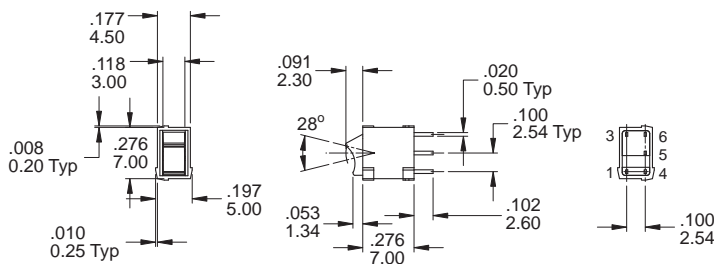
R1



R2

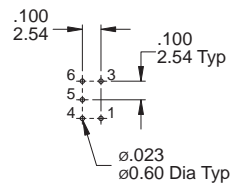


## ▼ POLE OPTIONS



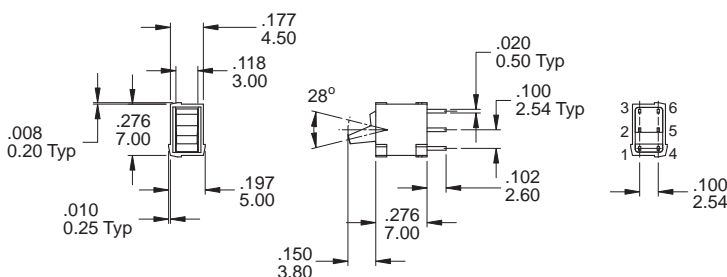
Note: Pins 1 and 3 not connected

PCB MOUNTING

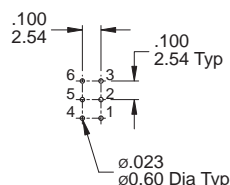


SPDT

Model name.KSD-4US1R102M2RNS



PCB MOUNTING

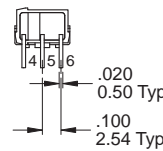
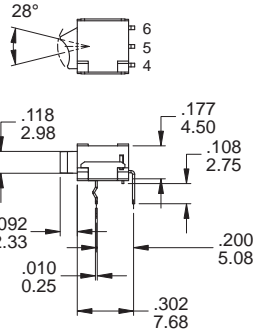
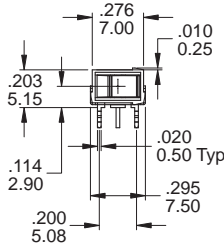


DPDT

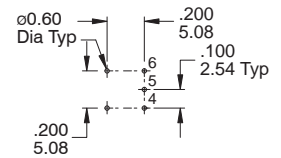
Model name. KSD-4UD1R202M2RNS

## ▼ TERMINAL OPTIONS

**M6**



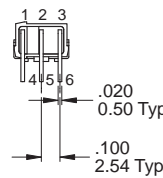
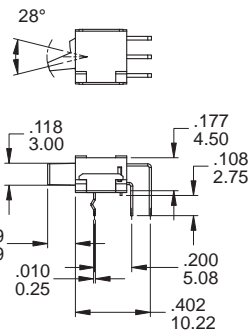
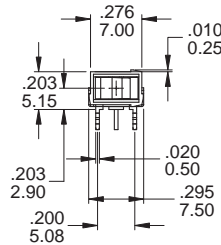
PCB MOUNTING



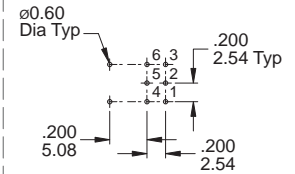
**SPDT**

Model name. KSD-4US1R102M6RNS

**M6**



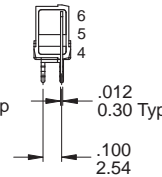
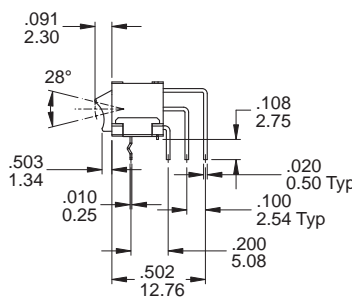
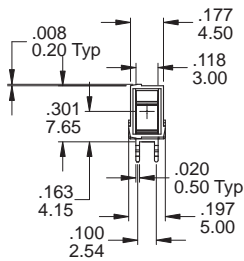
PCB MOUNTING



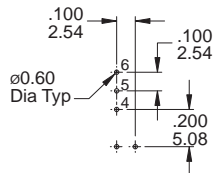
**DPDT**

Model name. KSD-4UD1R202M6RNS

**M7**



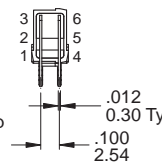
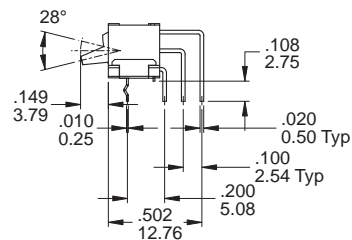
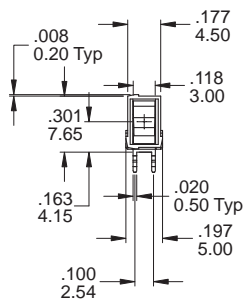
PCB MOUNTING



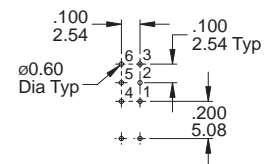
**SPDT**

Model name. KSD-4US1R102M7RNS

**M7**



PCB MOUNTING



**DPDT**

Model name. KSD-4UD1R202M7RNS

## ▼ SOLDERING PROCESS

**WAVE SOLDERING:** Recommend soldering temperature: 260 ± 5°C

Duration of solder immersion: Max. 5 sec. (PCB thickness is 1.6mm)