

8U Series

Sealed Ultraminiature Pushbutton Switches



SPECIFICATIONS

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

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

CONTACT RESISTANCE: Below 100m Ω typ. initial @ 2-4 V DC, 100mA.

INSULATION RESISTANCE: 500 M Ω min.

DIELECTRIC STRENGTH: 500 V RMS@sea level.

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

MATERIALS

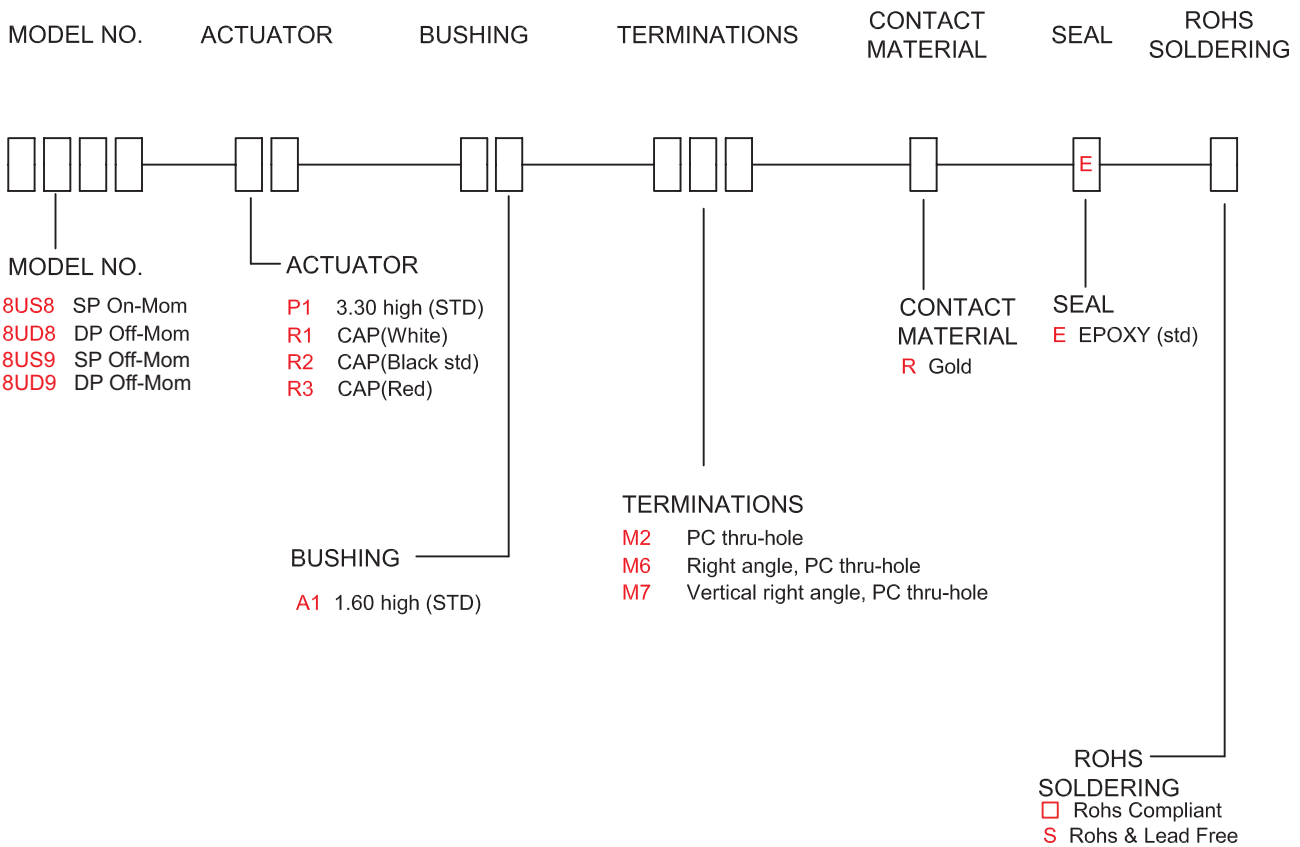
HOUSING AND BASE: Glass filled nylon 66 or 4/6 flame retardant, heat stabilized (UL 94V-0)

ACTUATOR: Glass filled nylon 6/6, flame retardant, heat stabilized (UL94V-0), with standard internal o-ring seal.





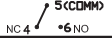
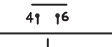
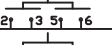

SWITCH SUPPORT: Steel, with nickel plated.

CONTACTS/TERMINALS: Silver or gold plated copper alloy

HOW TO ORDER

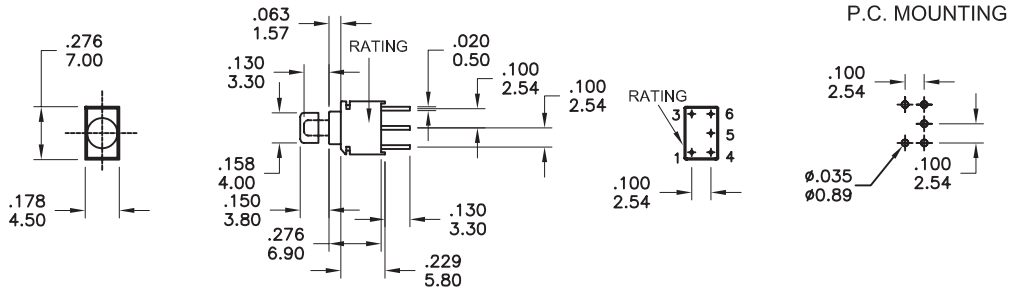


SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS.1	POS.2	POS.1	POS.2	
						
SP	8US8	ON	MOM	5-6	5-4	
SP	8US9	OFF	MOM	OPEN	4-6	
DP	8UD8	ON	MOM	2-3,5-6	2-1,5-4	
DP	8UD9	OFF	MOM	OPEN	1-3,4-6	

MOM=MOMENTARY

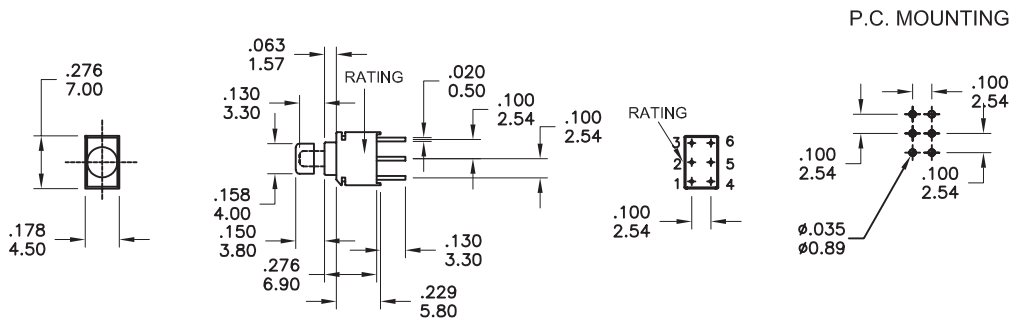
M2



SPDT

Part No. Shown : 8US8R2A1M2RE

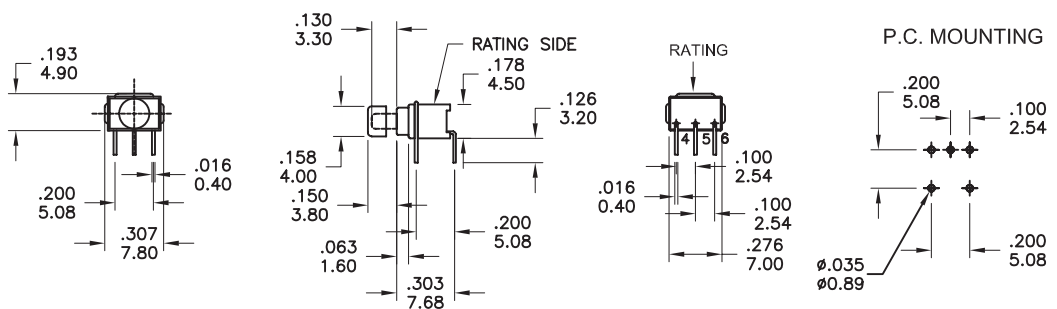
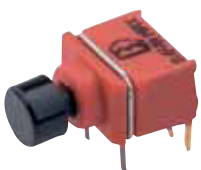
M2



DPDT

Part No. Shown : 8UD8R2A1M2RE

M6



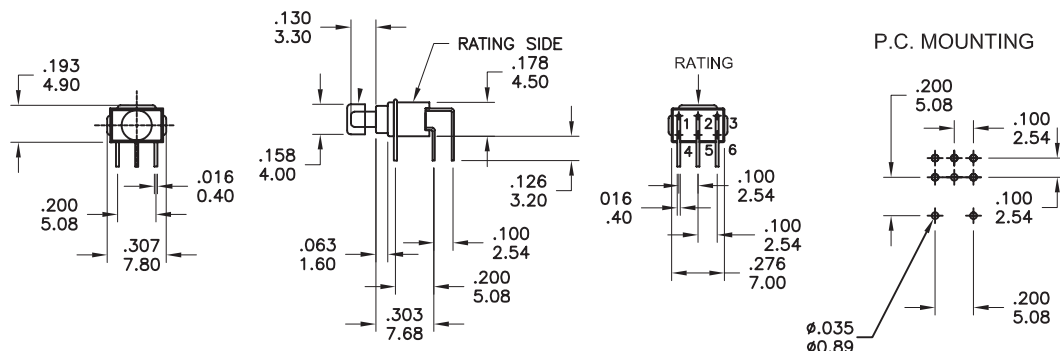
SPDT

Part No. Shown : 8US8R2A1M6RE

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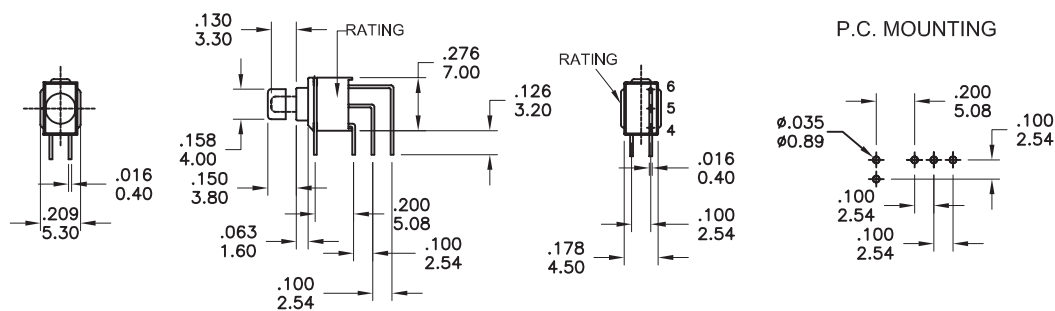
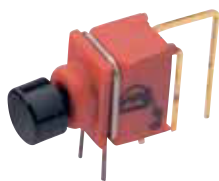
M6



DPDT

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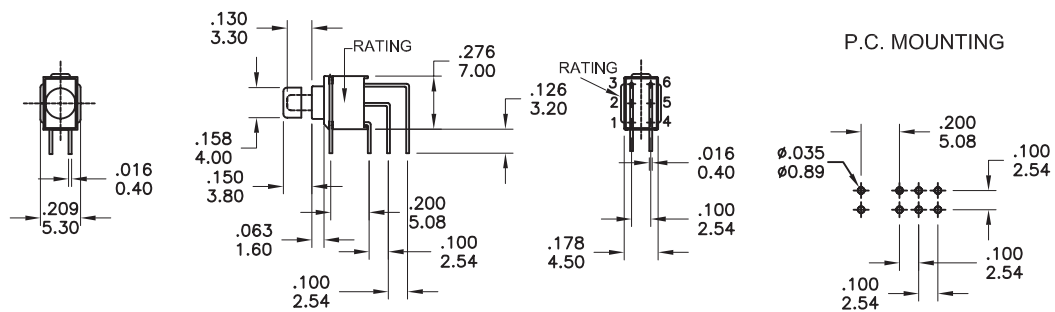
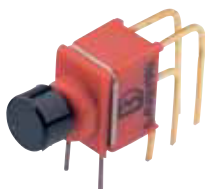
M7



SPDT

Part No. Shown : 8US8R2A1M7RE

M7



DPDT

Part No. Shown : 8UD8R2A1M7RE



IP 67

ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

SOLDERING PROCESSES

MANUAL SOLDERING : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

WAVE SOLDERING : Recommended Soldering Temperature: 260±5°C
Duration of Solder Immersion: 5 ±1 seconds
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase

Temperature Profile

Zone	Room temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	180°C~200°C	Min 150s
Peak (C)	200°C~235°C	Min 30s
Peak (D)	235°C~260°C	Min 40s
Peak (E)	260°C	Max 10s

