



IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001



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 @ 2-4VDC, 100mA.

INSULATION RESISTANCE: 500 MΩ min.

DIELECTRIC STRENGTH: 500 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

HOUSING AND 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), with standard internal o-ring seal.

SWITCH SUPPORT: Steel,with Sn plate.

CONTACTS/TERMINALS: Gold plated copper alloy.

HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL MATERIAL	SEAL	RoHS SOLDERING
Model NO. 8US8 SP On-Mom. 8UD8 DP On-Mom.	Actuator W1 3.30 high (STD) WR1 CAP (White) WR2 CAP (Black std) WR3 CAP (Red)	Bushing C2 1.60 high (STD)	Terminations M2 PC thru-hole M6 Right angle, PC thru-hole M7 Vertical right angle, PC thru-hole	Terminal material R Gold	E Seal E EPOXY (std)	RoHS soldering ☐ RoHS Compliant S RoHS & Lead Free F Halogen Free+RoHS
8US9 SP Off-Mom. 8UD9 DP Off-Mom.	P1 3.30 high (STD) R1 CAP (White) R2 CAP (Black std) R3 CAP (Red)	A1 1.60 high (Red std) A2 1.60 high (Black)				

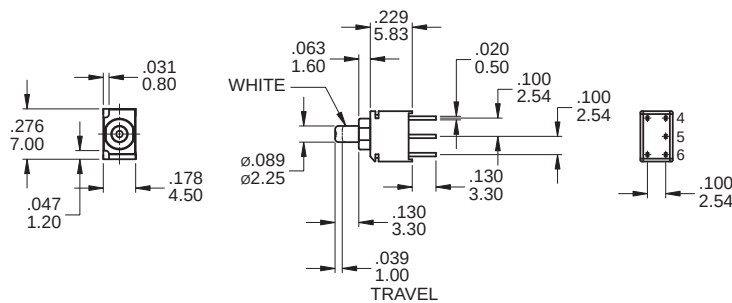
SWITCH FUNCTION

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 
	8US9	OFF	MOM	OPEN	4-6 
DP	8UD8	ON	MOM	2-3,5-6 	2-1,5-4 
	8UD9	OFF	MOM	OPEN	1-3,4-6 

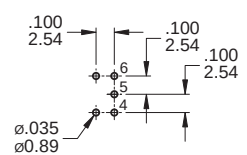
MOM=MOMENTARY

POLE OPTIONS

M2



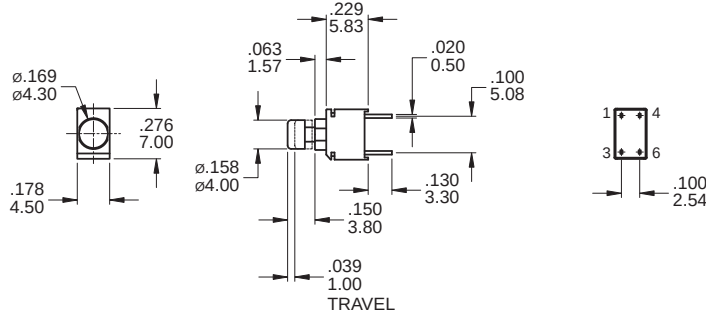
P.C. MOUNTING



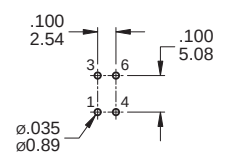
SPDT

Part No. Shown : 8US8W1C2M2RE

M2



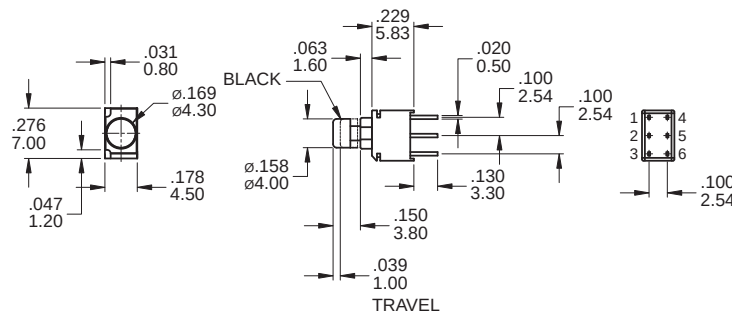
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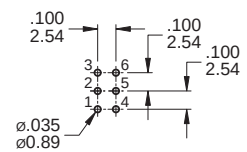
SPST

Part No. Shown : 8US9R2A2M2RE

M2



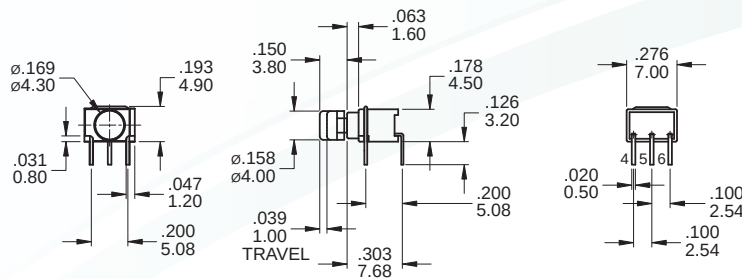
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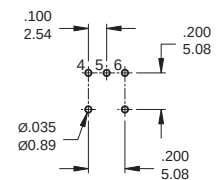
DPDT

Part No. Shown : 8UD8WR2C2M2

M6



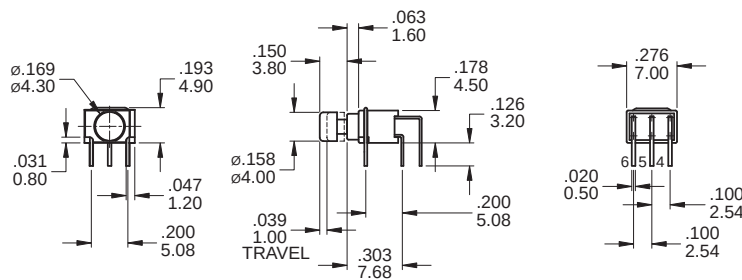
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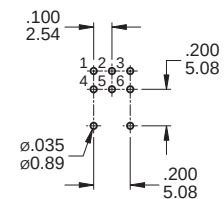
SPDT

Part No. Shown : 8US8WR2C2M6RE

M6



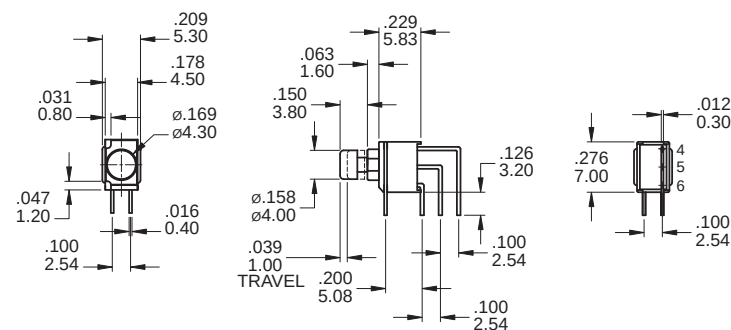
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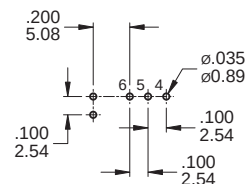
DPDT

Part No. Shown : 8UD8WR2C2M6RE

M7



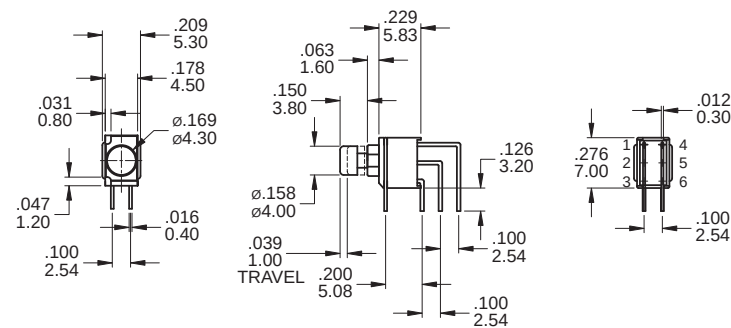
P.C. MOUNTING



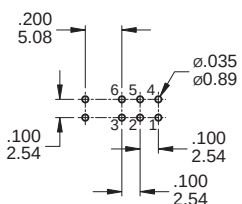
SPDT

Part No. Shown : 8US8WR2C2M7RE

M7



P.C. MOUNTING



DPDT

Part No. Shown : 8UD8WR2C2M7RE

SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: $260 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion: Max 5 sec.(PCB is 1.6mm in thickness)