

8U Series

Sealed Ultraminiature Pushbutton Switches



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: -40°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.

CONTACT: Phosphor bronze, Gold plated.

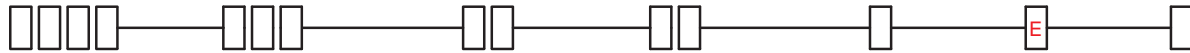
TERMINALS: Brass, Gold plated.

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



HOW TO ORDER

MODEL NO. ACTUATOR HOUSING TERMINATIONS TERMINAL MATERIAL SEAL RoHS SOLDERING



Model NO.

- 8US8 SP ON-(ON)
- 8UD8 DP ON-(ON)
- 8US9 SP OFF-(ON)
- 8UD9 DP OFF-(ON)

Actuator

- W1 3.30 high (STD)
- WR1 CAP (White)
- WR2 CAP (Black std)
- WR3 CAP (Red)

Housing

- 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

Seal
E EPOXY (std)

RoHS soldering

- S RoHS & Lead Free

8U Pushbutton Switches

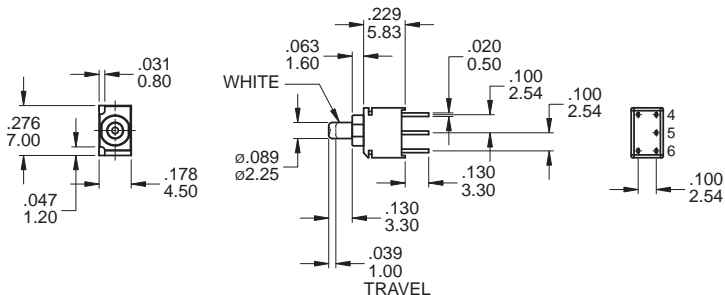
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
SP	8US8	ON	(ON)	5-6 NC 4 • 5 (COMM) 6 NO	5-4 NC 4 • 5 (COMM) 6 NO
	8US9	OFF	(ON)	OPEN	4-6 4 ↑ 6
DP	8UD8	ON	(ON)	2-3,5-6 NC 1 • 2 (COMM) 3 NO NC 4 • 5 (COMM) 6 NO	2-1,5-4 NC 1 • 2 (COMM) 3 NO NC 4 • 5 (COMM) 6 NO
	8UD9	OFF	(ON)	OPEN	1-3,4-6 1 ↑ 3 4 ↑ 6

()=MOMENTARY

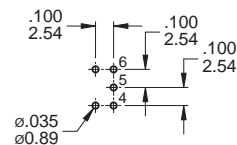
POLE OPTIONS

M2



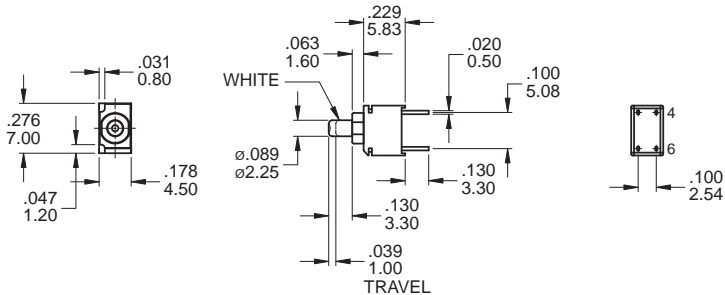
Part No. Shown : 8US8W1C2M2RE

P.C. MOUNTING



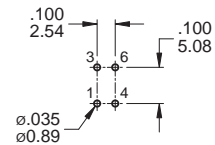
SPDT

M2



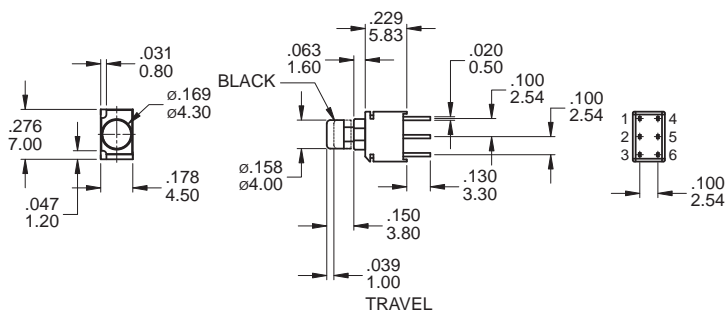
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P.C. MOUNTING



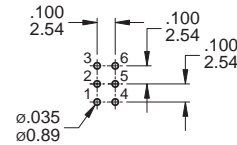
SPST

M2



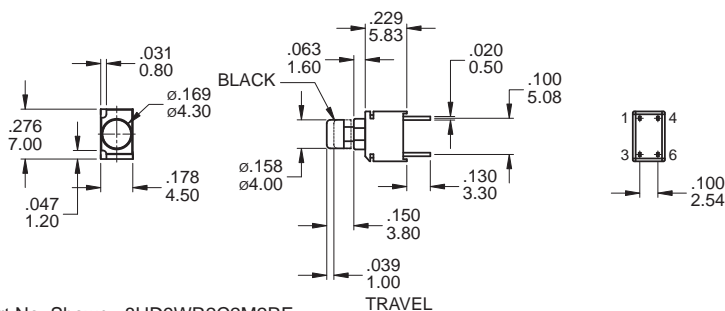
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P.C. MOUNTING



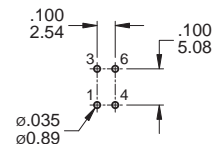
DPDT

M2



Part No. Shown : 8UD9WR2C2M2RE

P.C. MOUNTING



DPST

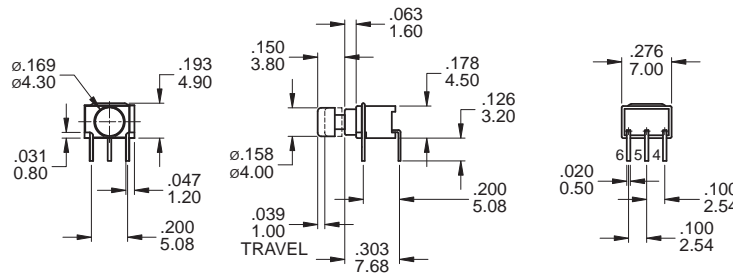


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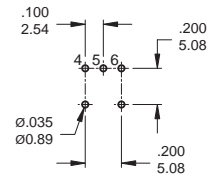
8U Series

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M6



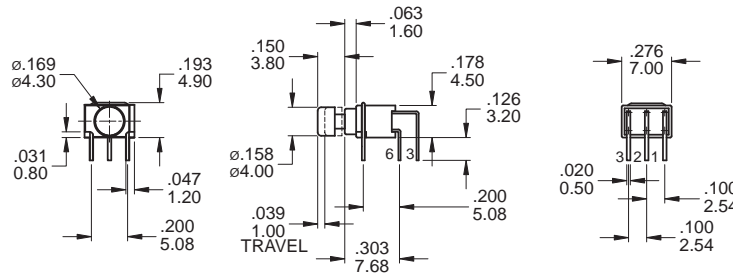
P.C. MOUNTING



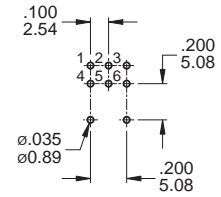
SPDT

Part No. Shown : 8US8WR2C2M6RE

M6



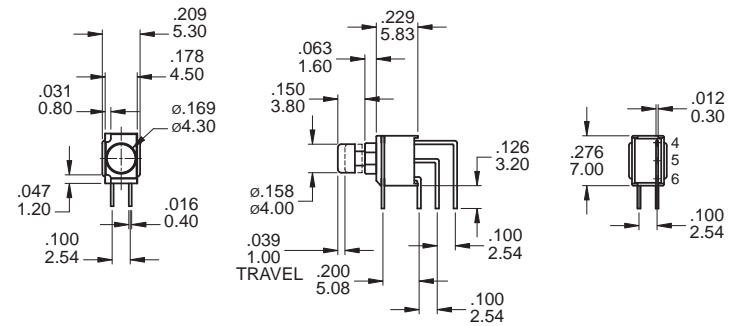
P.C. MOUNTING



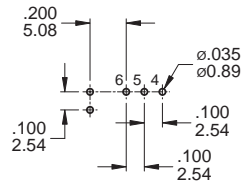
DPDT

Part No. Shown : 8UD8WR2C2M6RE

M7



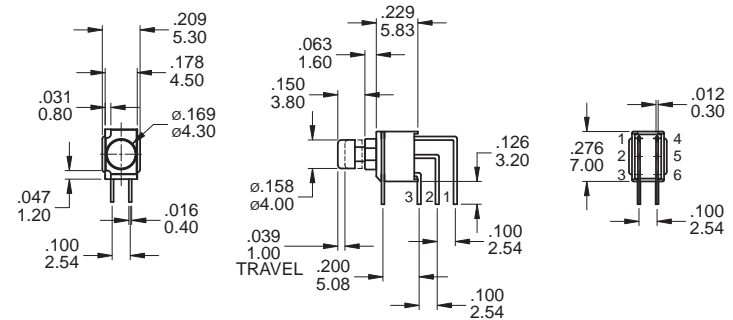
P.C. MOUNTING



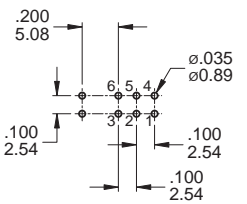
SPDT

Part No. Shown : 8US8WR2C2M7RE

M7



P.C. MOUNTING



DPDT

Part No. Shown : 8UD8WR2C2M7RE

SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: $270 \pm 5^\circ\text{C}$

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



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