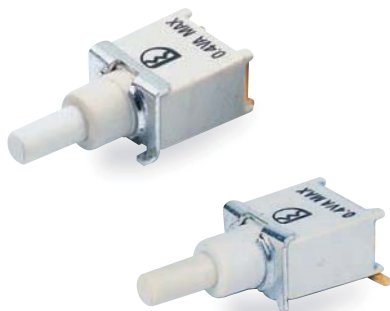




SPECIFICATIONS

- CONTACT RATING: Dependent upon contact material See Page 137.
- MECHANICAL LIFE: 50,000 make-and-break cycles.
- CONTACT RESISTANCE: 20 mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.
- INSULATION RESISTANCE: 1,000 MΩ min.
- DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.
- OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

- CASE & BUSHING: Glass filled nylon 4/6,flame retardant, heat sralbilized (UL94v-0).
- PLUNGER: Thermoplastic Polyester (UL 94V-0), with intenal O-ring seal.
- SWITCH SUPPORT: Brass,tin plated.
- CONTACT / TERMINALS: Silver or gold plated copper alloy.
(See Page 137)



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

HOW TO ORDER



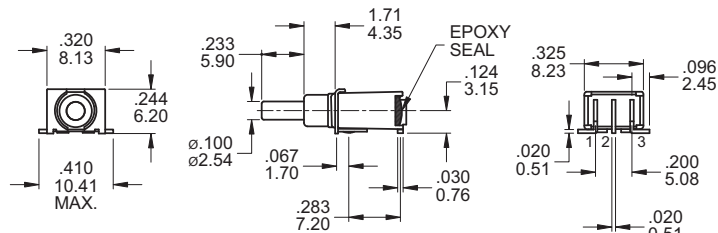
8B
Pushbutton Switches

MODEL NO.	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING
□□□□	□□□	□	□ E	□
MODEL NO. 8BS8 On-Mom 8BS9 On-Mom	TERMINATIONS MT (STD) Right angle, surface mount. MZ (STD)	CONTACT MATERIAL Q Silver R Gold G Gold,pure-tin S Silver,pure-tin C Gold over silver K Gold over silver,pure-tin	SEAL E EPOXY (std)	ROHS SOLDERING □ Rohs Compliant S Rohs & Lead Free F Halogen Free+RoHS

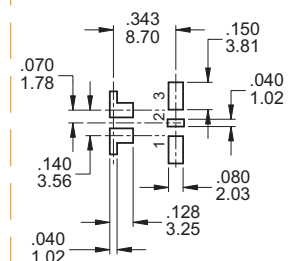
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
			POS.1	POS.2	POS.1	POS.2
SP	Q28B18	8BS8	ON	MOM	2-1 	2-3
	Q28B19	8BS9	OFF	MOM	OPEN 	1-3

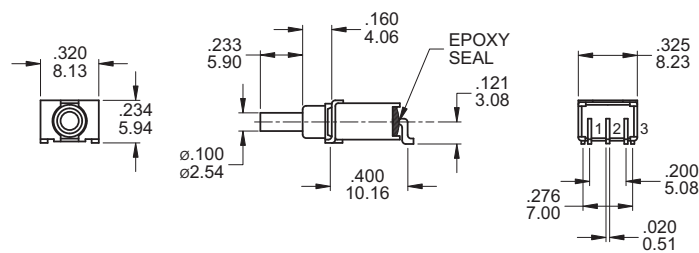
MOM=MOMENTARY

POLE OPTIONS**MT**

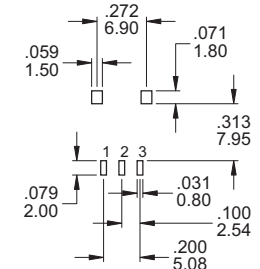
P.C. MOUNTING

8B
Pushbutton Switches**SPDT**

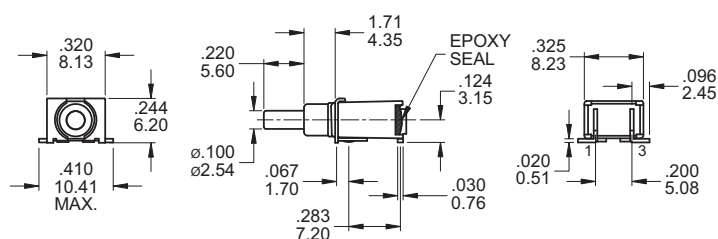
Part No. Shown : 8BS8MTRE

MZ

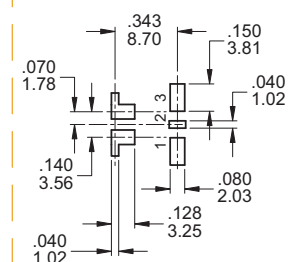
P.C. MOUNTING

**SPDT**

Part No. Shown : 8BS8MZRE

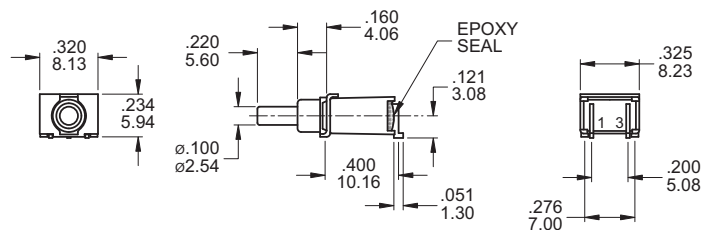
MT

P.C. MOUNTING

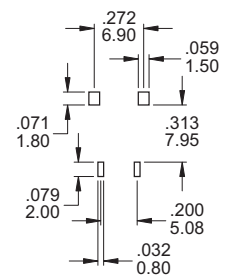
**SPST**

Part No. Shown : 8BS9MTRE

MZ



P.C. MOUNTING



SPST

Part No. Shown : 8BS9MZRE

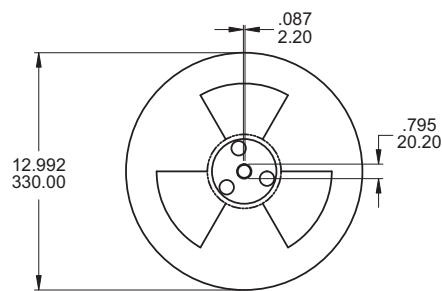
PACKAGING

Switches available on embossed antistatic tape and reels.

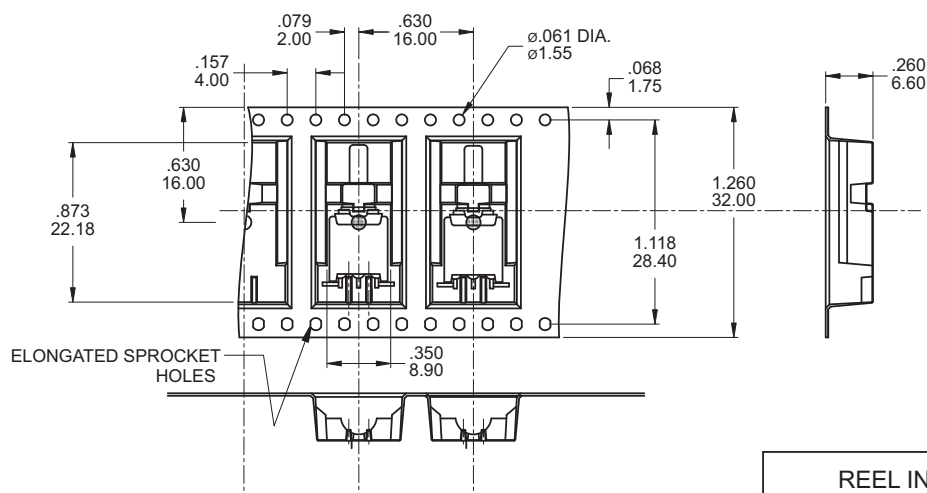
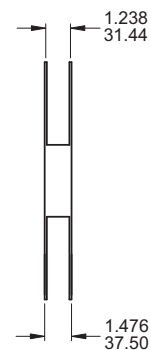
Tape and cover strip are conductive for use near statically sensitive components.



8B Pushbutton Switches



SCALE: 10 : 1



SCALE: 1 : 1

REEL INFORMATION	
QUANTITY PER REEL	500 / pcs

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Gold flash over silver,pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
G		G = Gold,pure - tin	

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 : $260 \pm 5^\circ\text{C}$
Duration of Solder Immersion : Max 5 sec.
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase & IR-reflow soldering can be applied.



8B
Pushbutton Switches

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 5s

