

8B Series

Sealed Sub-Miniature Pushbutton Switches(SMT)



SPECIFICATIONS

- CONTACT RATING:** Dependent upon contact material
- 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 6/6, flame retardant, heat stabilized (UL94v-0).
- PLUNGER:** Thermoplastic Polyester (UL 94V-0), with internal O-ring seal.
- SWITCH SUPPORT:** Brass, tin plated.
- CONTACT / TERMINALS:** Silver or gold plated copper alloy.

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

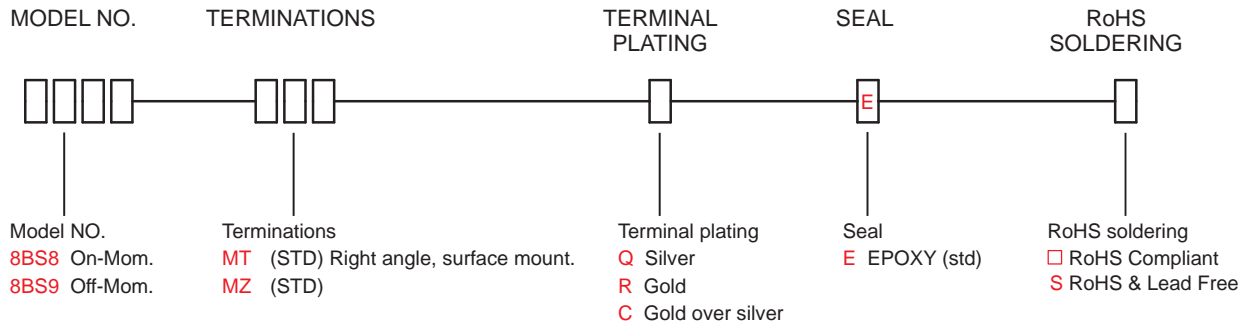
C **UL** US
E 187490

RoHS
compliant

Pb
lead-free

8B
Pushbutton Switches

HOW TO ORDER



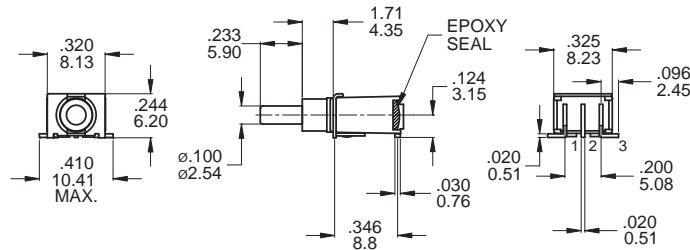
SWITCH FUNCTION

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

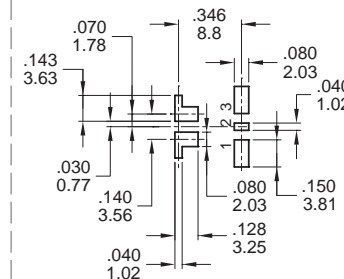
MOM=MOMENTARY

POLE OPTIONS

MT



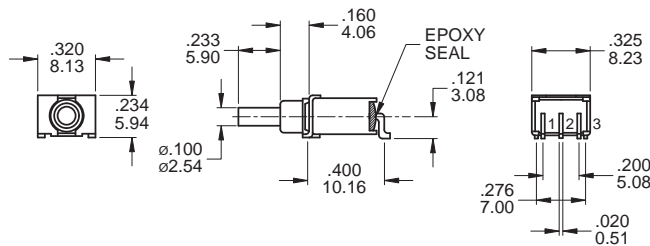
P.C. MOUNTING



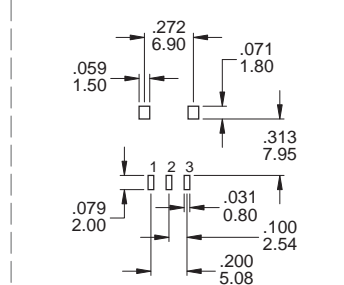
SPDT

Part No. Shown : 8BS8MTRE

MZ



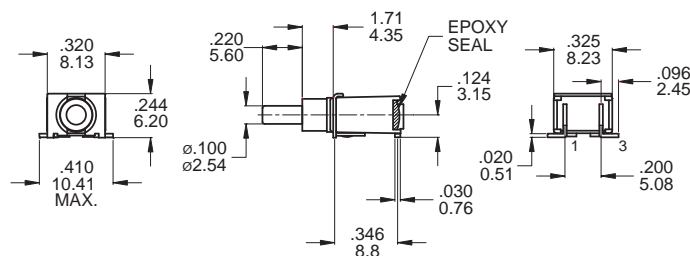
P.C. MOUNTING



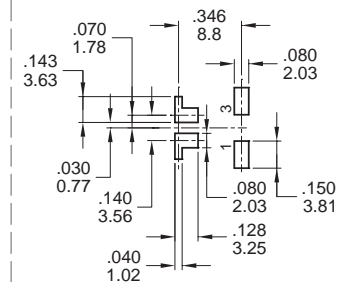
SPDT

Part No. Shown : 8BS8MZRE

MT



P.C. MOUNTING



SPST

Part No. Shown : 8BS9MTRE

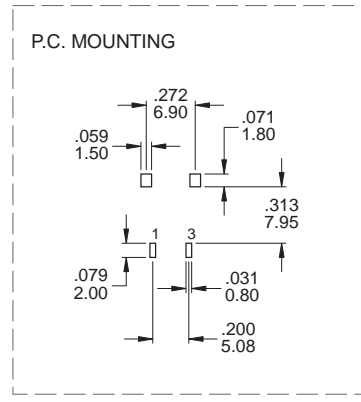
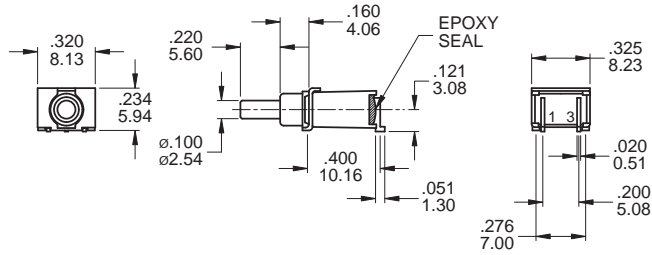


8B Pushbutton Switches

8B Series

Sealed Sub-Miniature Pushbutton Switches(SMT)

MZ



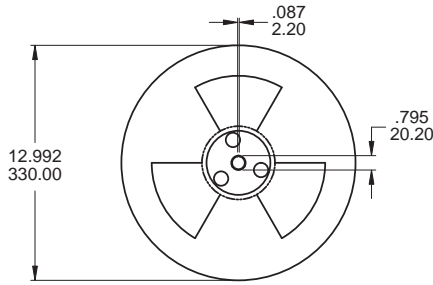
SPST

Part No. Shown : 8BS9MZRE

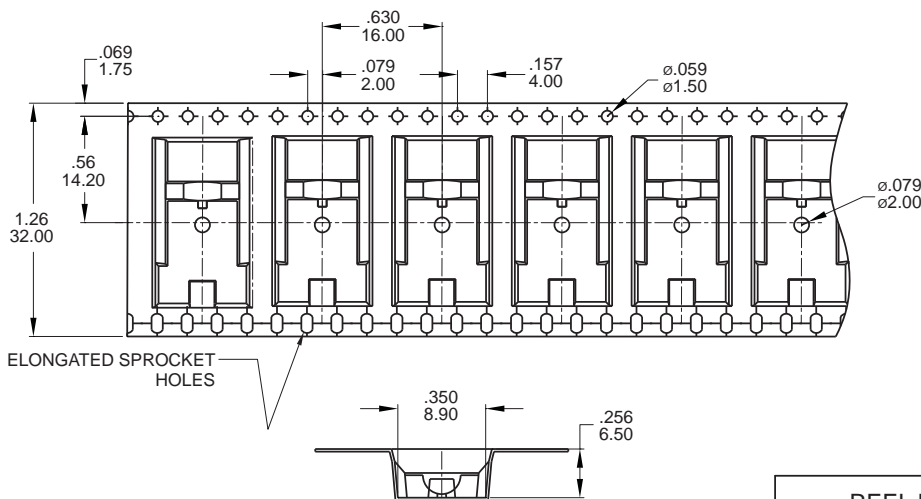
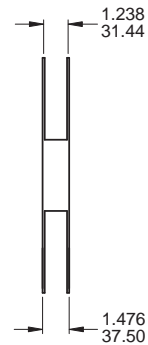
PACKAGING

8B Pushbutton Switches

Switches available on embossed antistatic tape and reels.
Tape and cover strip are conductive for use near statically sensitive components.



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
C	Gold over Silver	C = Gold over silver	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

SOLDERING PROCESSES

REFLOW 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

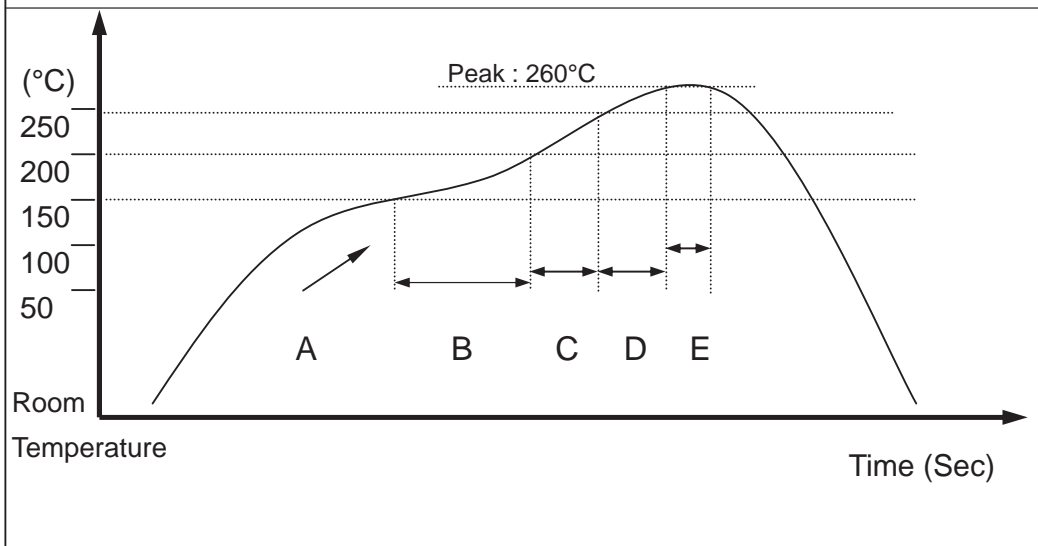
Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)

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



Temperature Profile

Zone	Room Temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	150°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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Pushbutton Switches](#) category:

Click to view products by [Dailywell](#) manufacturer:

Other Similar products are found below :

[LW1L-M1C10V-A](#) [LW2L-A1C20M-GD](#) [LW2L-M1C20M-A](#) [60324L](#) [M7E-HRN2](#) [67021K512](#) [67081K512X](#) [701PB580](#) [719-5504-000](#)
[MDPSSGLFS](#) [810KSV30B](#) [MML21KA3ABK](#) [MML23KA3AC05K-001](#) [MML23KW3AA01W](#) [8418K2](#) [8646AB6X718UL](#) [8646ABUL](#)
[FSDWH](#) [9001KXRK](#) [9001T8BK](#) [9533CD4+U574+U4922](#) [1203MRA](#) [A22EM01S](#) [A595](#) [1202A6](#) [12037A2ULCSA](#) [1203A2UL](#) [ABD122N-](#)
[B](#) [1211390004](#) [ABN111-Y](#) [ABN400-R](#) [1211500044](#) [1211580012](#) [1212MRA](#) [1232A6NF](#) [RA3CSH6A](#) [1241.1183.7047](#) [1241.2511](#)
[1241.3428](#) [1223A2ULCSA](#) [1223MRA](#) [1232AX2119](#) [1241.1183.8000](#) [1241.1183.8029](#) [1241.2506](#) [1241.2606](#) [12MA6](#) [1301940184](#)
[RELBARF6X10\(PLASTIC\)](#) [13435AG](#)