



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).

ACTUATOR: Nylon black std,internal O-ring seal standard witch
all actuators.

SWITCH SUPPORT: Brass,tin plated.

CONTACT / TERMINALS: Copper alloy,with Silver or gold plated.

IP 67
ACCORDING TO
EN 60529:1989+A1:2001
IEC 60529:2001

UL US
E 187490

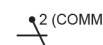
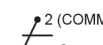
RoHS
compliant

Pb
lead-free



4B
Rocker Switches

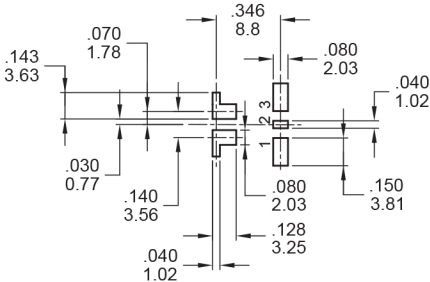
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
								
SP	Q24B11	4BS1	ON	NONE	ON		N/A	
	Q24B12	4BS2	ON	NONE	MOM			
	Q24B13	4BS3	ON	OFF	ON		OPEN	
	Q24B14	4BS4	MOM	OFF	MOM			
	Q24B15	4BS5	ON	OFF	MOM			

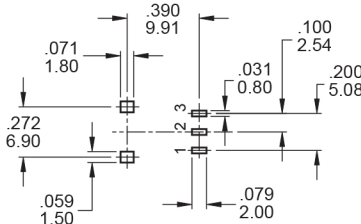
MOM=MOMENTARY

P.C. MOUNTING

MT

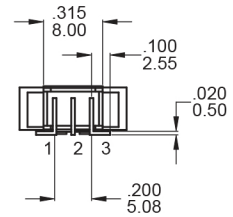
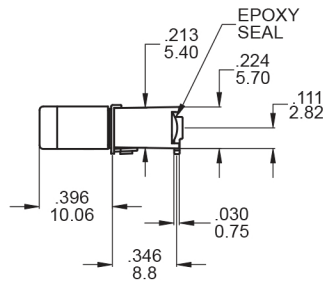
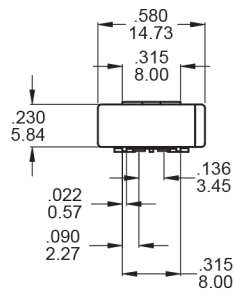


MZ



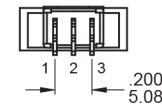
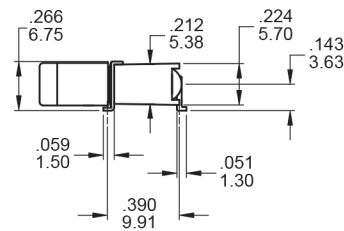
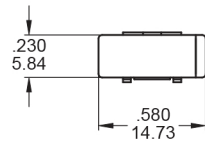
POLE OPTIONS

MT



SPDT

MZ

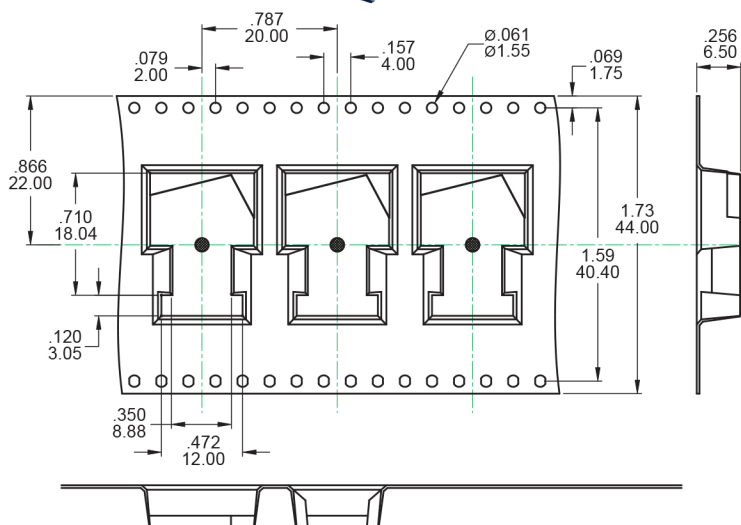


SPDT

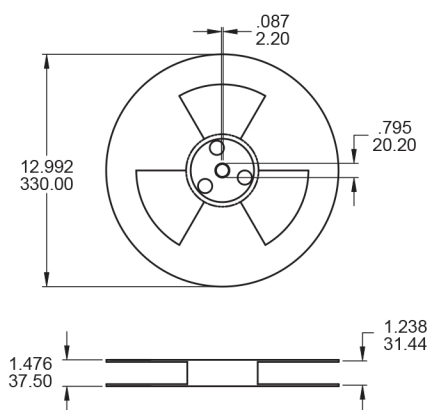
PACKAGING

Switches available on embossed antistatic tape and reels.

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



SCALE: 1 : 1



SCALE: 10 : 1

REEL INFORMATION

QUANTITY PER REEL	450 / pcs
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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:

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.

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

