



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 77.

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 with all actuators.

SWITCH SUPPORT: Brass,tin plated.

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

(See Page 77)

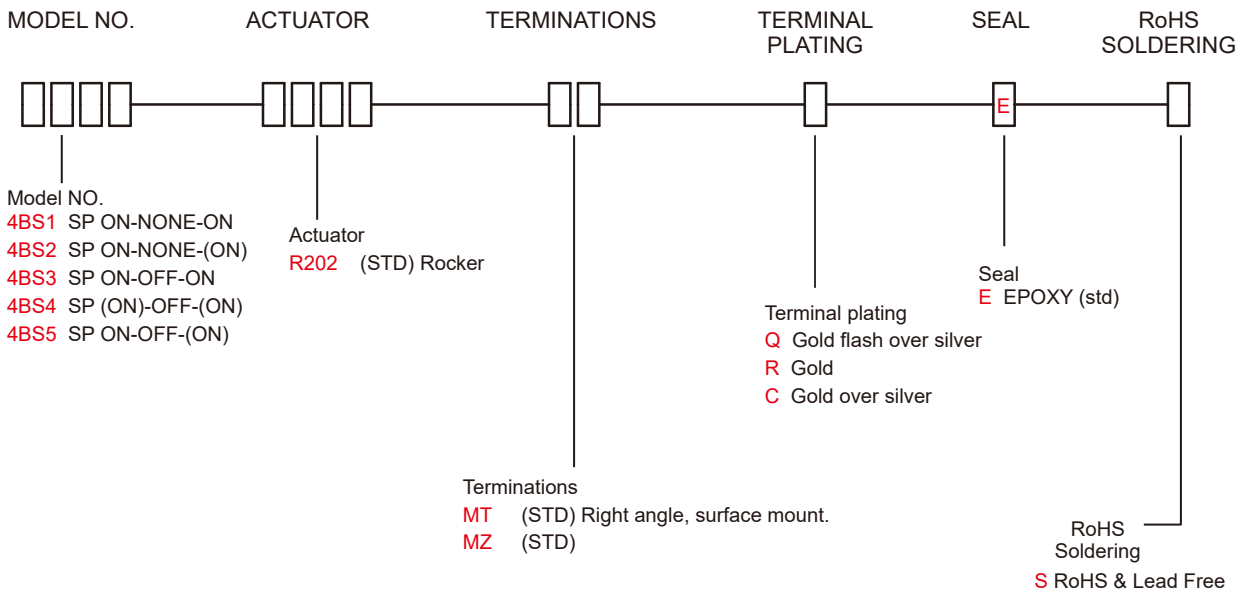
IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

UL US
E 187490

RoHS
compliant

Pb
lead-free

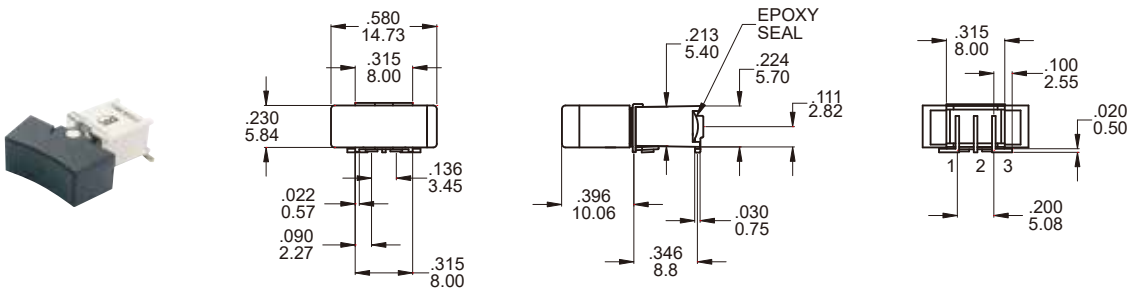
HOW TO ORDER



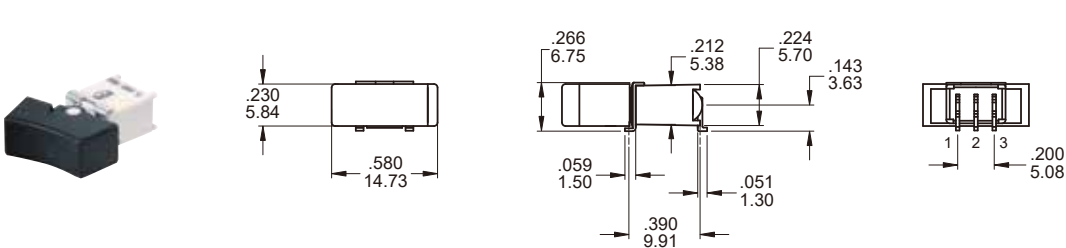
SWITCH FUNCTION

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	2-3	N/A	2-1
	Q24B12	4BS2	ON	NONE	(ON)			
	Q24B13	4BS3	ON	OFF	ON			
	Q24B14	4BS4	(ON)	OFF	(ON)			
	Q24B15	4BS5	ON	OFF	(ON)			

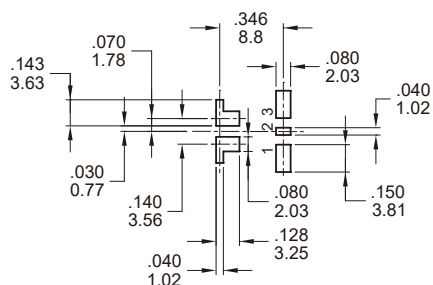
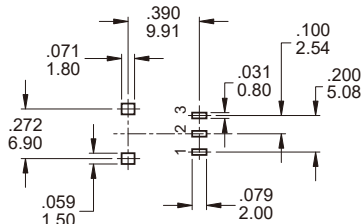
()=MOMENTARY

POLE OPTIONS
MT

SPDT

Part No. Shown : 4BS1R202MTRES

MZ

SPDT

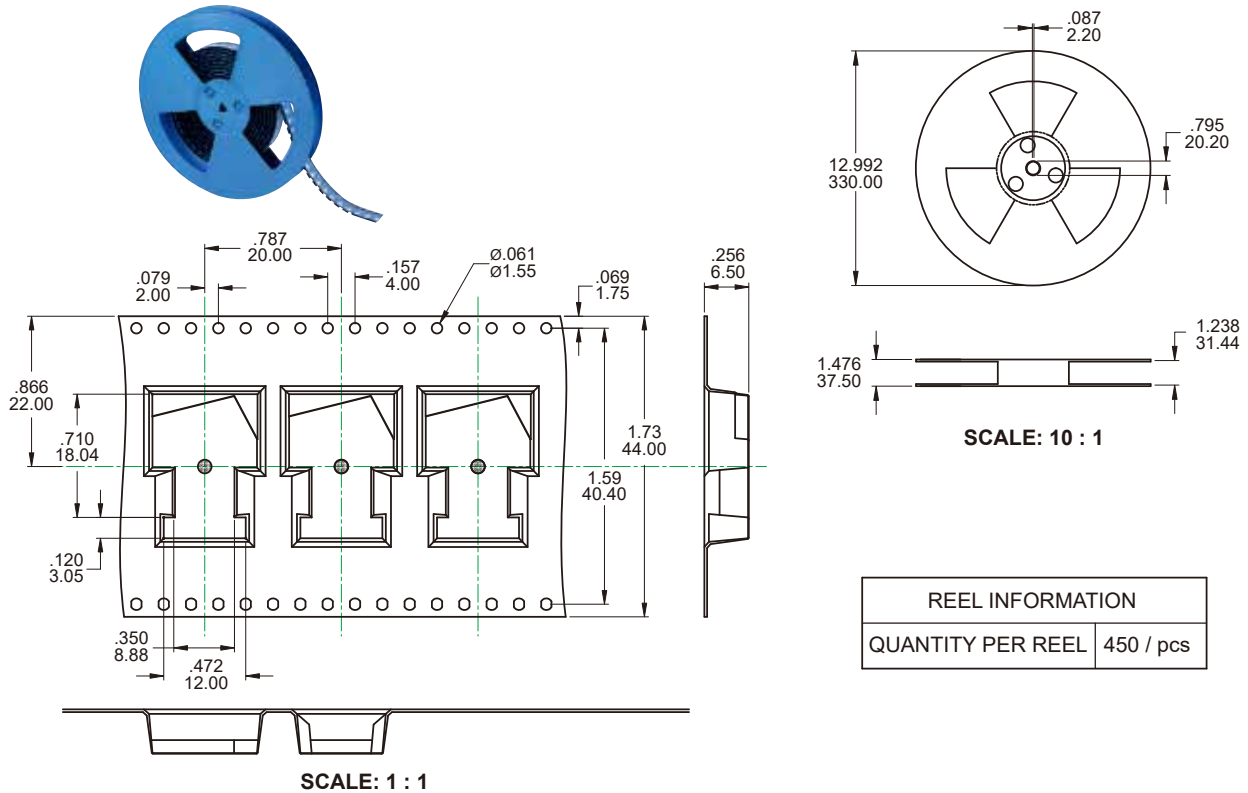
Part No. Shown : 4BS1R202MZRES

P.C. MOUNTING
MT

MZ


PACKAGING

Switches available on embossed antistatic tape and reels.

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



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
C	Gold over Silver	Gold over silver	
R	Gold	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.

