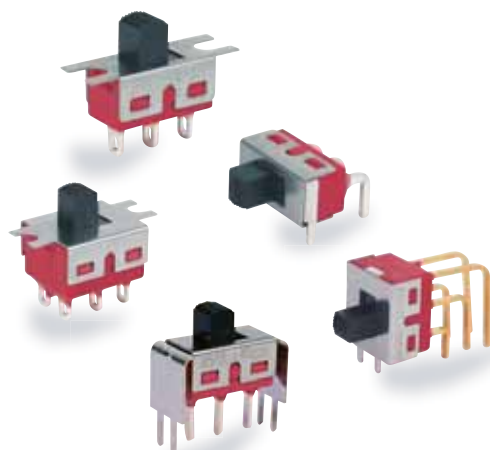




EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material.

MECHANICAL LIFE: 30,000 make-and-break cycles.

CONTACT RESISTANCE: 10mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000M Ω min.

DIELECTRIC STRENGTH: 1,000 V RMS@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

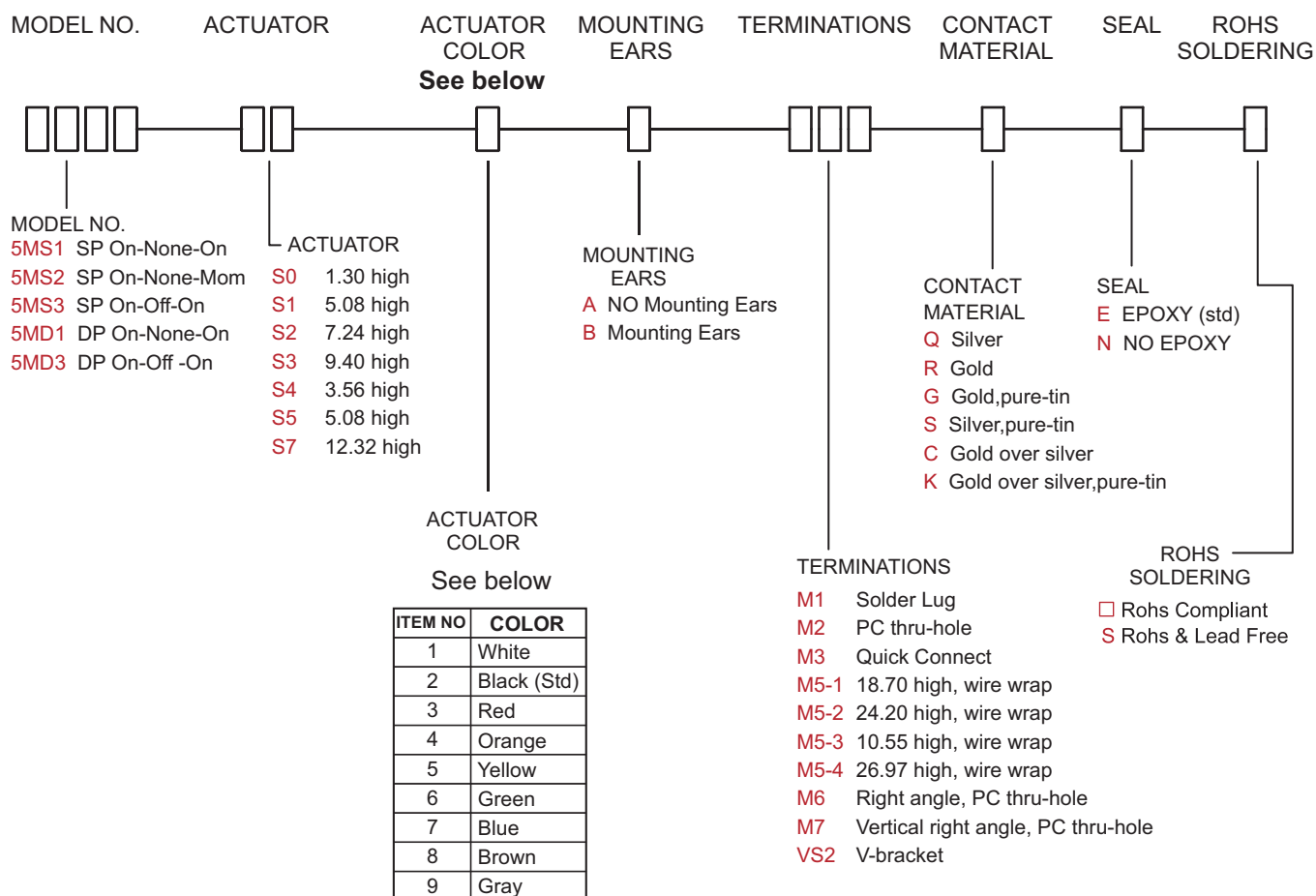
HOUSING: Stainless Steel.

ACTUATOR: Nylon,black std.

CONTACT: Silver or gold plated.

TERMINAL SEAL: Epoxy. (See Page 92)

HOW TO ORDER

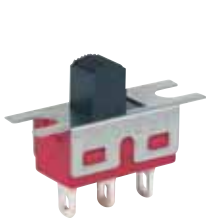


SWITCH FUNCTION

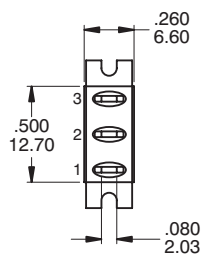
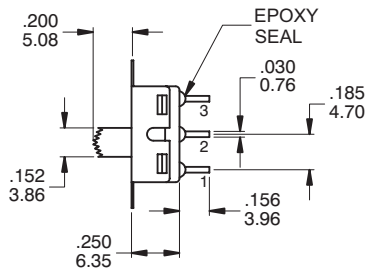
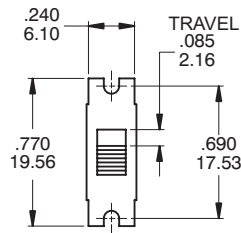
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q1511	5MS1	ON	NONE	ON		N/A	
	Q1512	5MS2	ON	NONE	MOM			
	Q1513	5MS3	ON	OFF	ON			
DP	Q1521	5MD1	ON	NONE	ON		N/A	
	Q1523	5MD3	ON	OFF	ON			

MOM=MOMENTARY

POLE OPTIONS



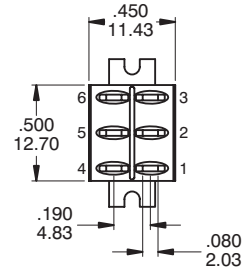
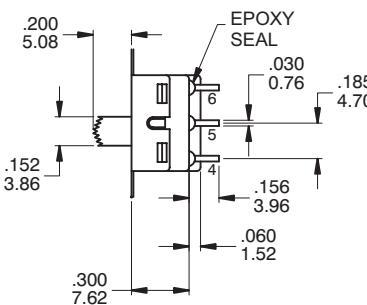
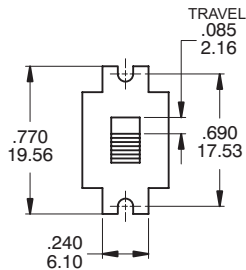
SPDT



Part No. Shown : 5MS1S12BM1QE



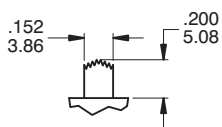
DPDT



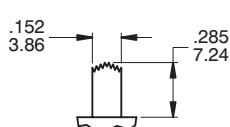
Part No. Shown : 5MD1S12BM1QE

ACTUATOR OPTIONS

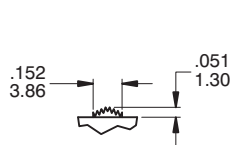
S1 STD



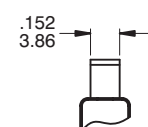
S2



S0

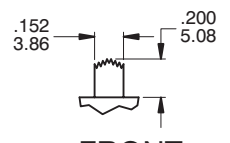


FRONT

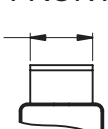


For S0,S1,S2,S3,S4

▲ S5

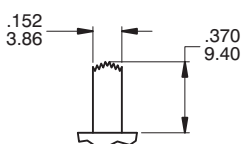


FRONT

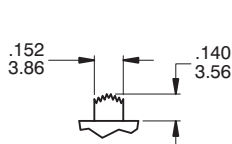


FOR DPDT ONLY

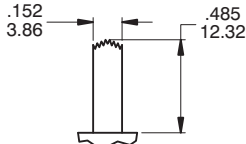
S3



S4



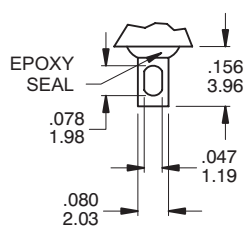
S7



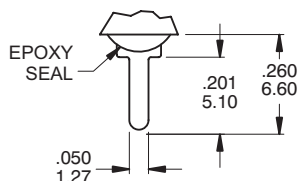
* Subtract .014(0.36) from Actuator height for M6, M7 P.C. MOUNTING OPTION.

TERMINATION OPTIONS

M1 SOLDER LUG

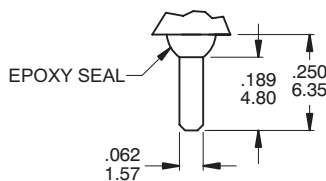


M2 PC THRU-HOLE



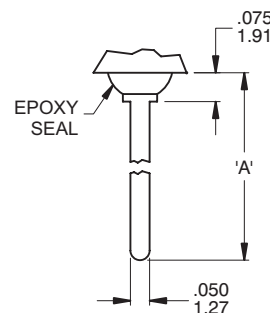
.030(0.76) THK.

M3 QUICK CONNECT



THK .030(0.76)

M5 WIRE WRAP



THK .030(0.76)

OTHER TERMINATION OPTIONS

M6 RIGHT ANGLE P.C. MOUNT

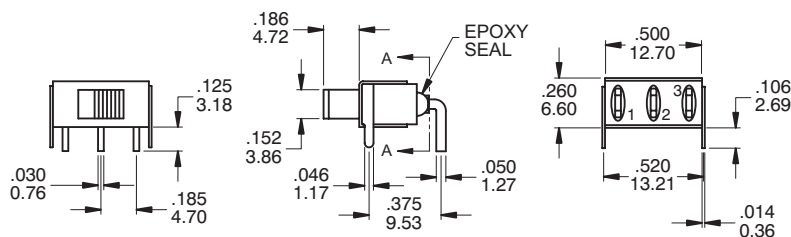
M7 RIGHT ANGLE P.C. MOUNT

VS2 VERTICAL BRACKET P.C. MOUNT

RE Mating Quick Connector
Amp P/N 60900-1

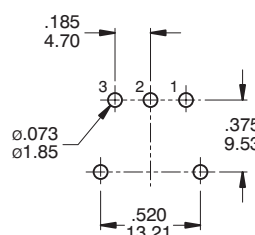
OPTION CODE	DIM. 'A'
M5-1	.736 (18.70)
M5-2	.953 (24.20)
M5-3	.415 (10.55)
M5-4	1.062 (26.97)

M6



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

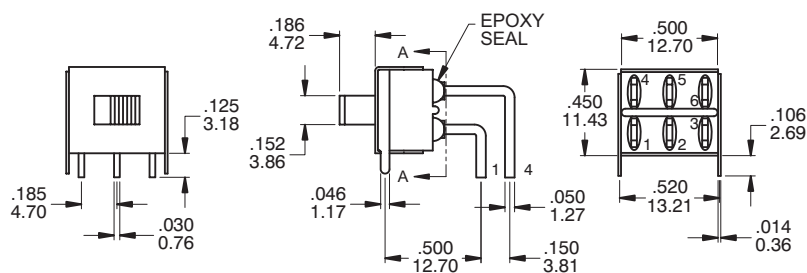
P.C. MOUNTING



SPDT

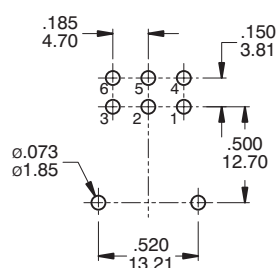
Part No. Shown : 5MS1S12AM6QE

M6



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

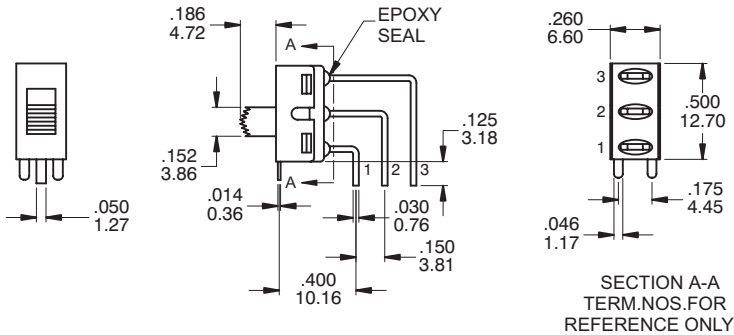
P.C. MOUNTING



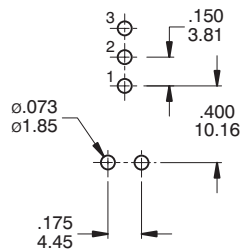
DPDT

Part No. Shown : 5MD1S12AM6QE

M7



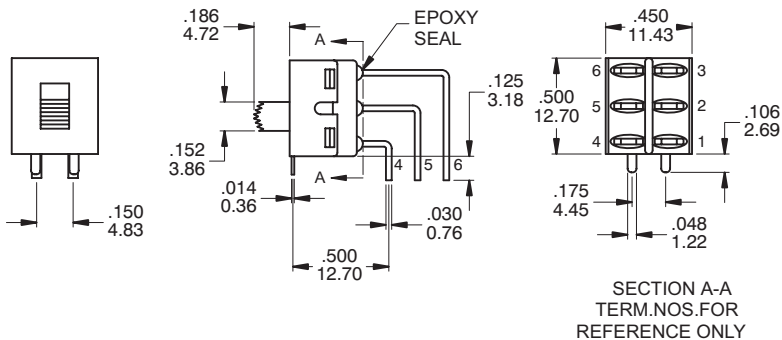
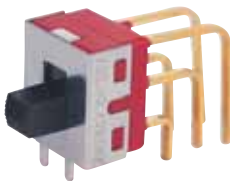
P.C. MOUNTING



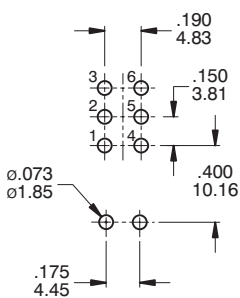
SPDT

Part No. Shown : 5MS1S12AM7QE

M7



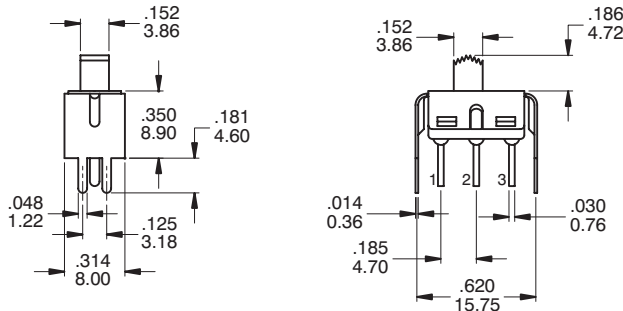
P.C. MOUNTING



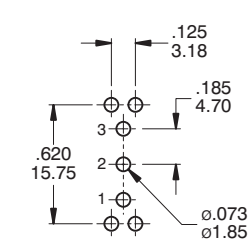
DPDT

Part No. Shown : 5MD1S12AM7RE

VS2



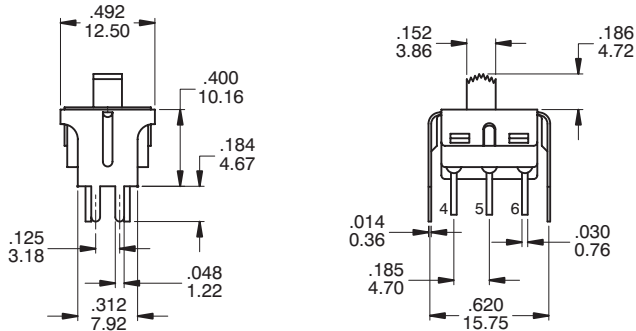
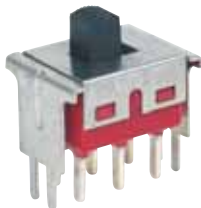
P.C. MOUNTING



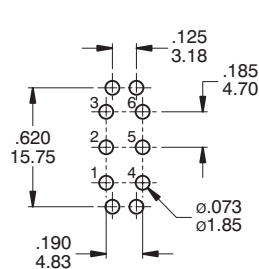
SPDT

Part No. Shown : 5MS1S12AVS2QE

VS2



P.C. MOUNTING

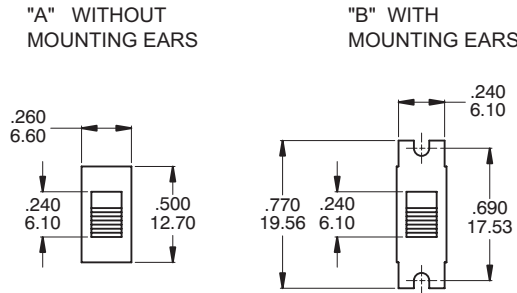


DPDT

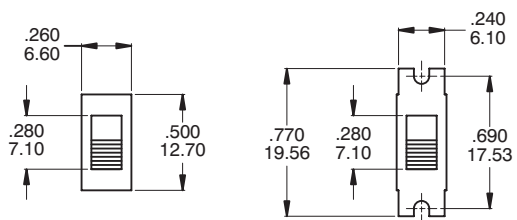
Part No. Shown : 5MD1S12AVS2QE

MOUNTING EARS / PANEL MOUNTING

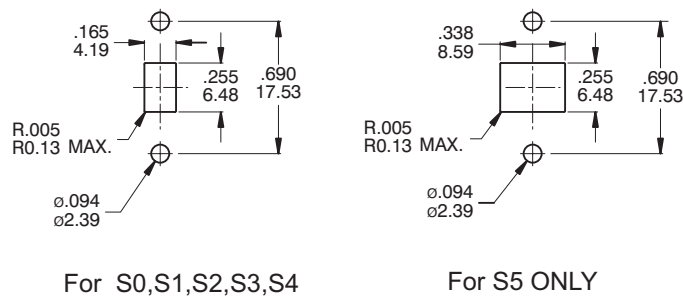
MOUNTING EARS



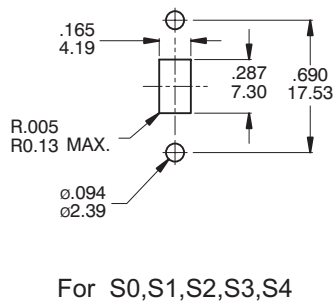
THREE POSITIONS ONLY



PANEL MOUNTING



THREE POSITIONS ONLY



Slide Switches

CONTACT MATERIAL OPTIONS

	CONTACT MATERIAL	TERMINAL PLATING	RATINGS
Q	Silver	Q = Silver	5 Amps with resistant load @ 120VAC or 28VDC 2 Amps with resistant load @ 250VA
S		S = 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 st 350°C
approximately 5 seconds while applying solder.

WAVE SOLDERING : Recommended Soldering Temperature : $260 \pm 5^{\circ}\text{C}$
Duration of Solder Immersion : 5 ± 1 seconds
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase

