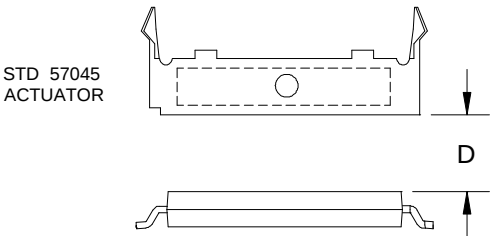


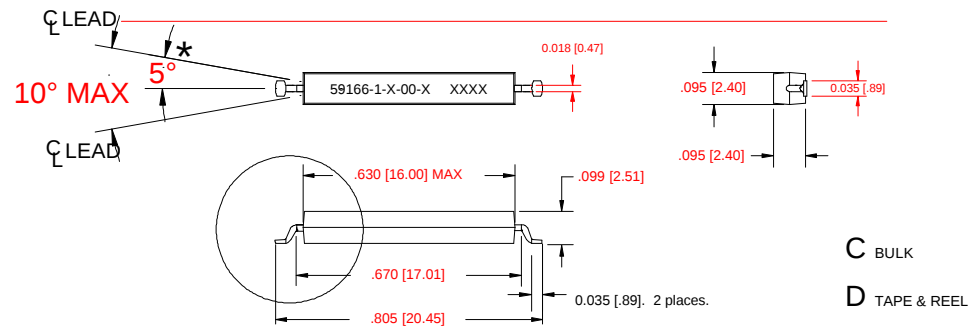
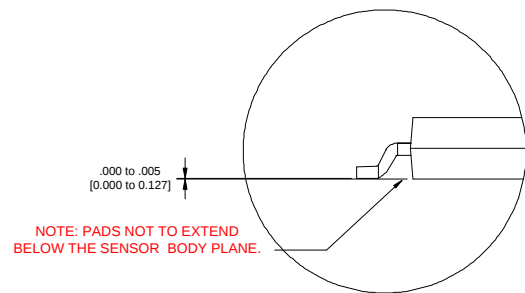
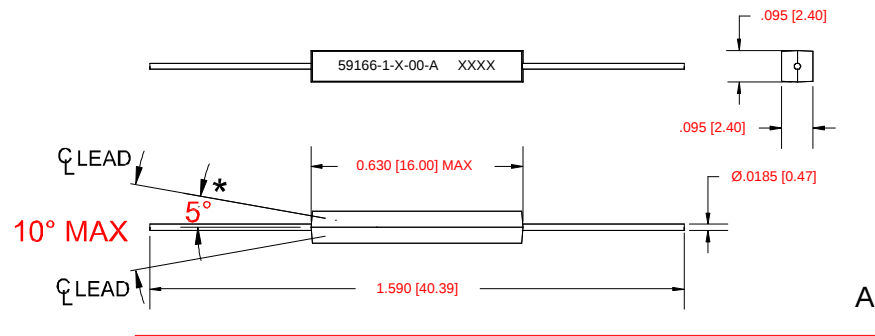
PART NUMBER	SYS #	EXTENDED DESCRIPTION	ACTUATE DIST	DEACTUATE DIST	VOLTAGE BREAKDOWN	CONTACT RESISTANCE
59166-1-S-00-A	37213	59166 MDSR-7 10-15 LEADED	0.160 MIN	0.480 MAX	150-350 volts	0.100 ohm MAX.
59166-1-S-00-C	37214	59166 MDSR-7 10-15 GW BULK	0.150 MIN	0.380 MAX	150-350 volts	0.100 ohm MAX.
59166-1-S-00-D	37215	59166 MDSR-7 10-15 GW TAPE	0.150 MIN	0.380 MAX	150-350 volts	0.100 ohm MAX.
59166-1-T-00-A	37216	59166 MDSR-7 15-20 LEADED	0.155 MIN	0.460 MAX	150-350 volts	0.100 ohm MAX.
59166-1-T-00-C	37217	59166 MDSR-7 15-20 GW BULK	0.145 MIN	0.370 MAX	150-350 volts	0.100 ohm MAX.
59166-1-T-00-D	37218	59166 MDSR-7 15-20 GW TAPE	0.145 MIN	0.370 MAX	150-350 volts	0.100 ohm MAX.
59166-1-U-00-A	37219	59166 MDSR-7 20-25 LEADED	0.150 MIN	0.440 MAX	150-350 volts	0.100 ohm MAX.
59166-1-U-00-C	37220	59166 MDSR-7 20-25 GW BULK	0.140 MIN	0.360 MAX	150-350 volts	0.100 ohm MAX.
59166-1-U-00-D	37221	59166 MDSR-7 20-25 GW TAPE	0.140 MIN	0.360 MAX	150-350 volts	0.100 ohm MAX.

PART NUMBER INFORMATION

SERIES	TABLE 1 -SWITCH TYPE	TABLE 2 -SENSITIVITY	-00	TABLE 3 PACKAGING
59166				
OVERMOLDED MDSR-7	1 = Normally Open	S = 10-15 T = 15-20 U = 20-25		A = Leaded C = Gull Wing bulk packed D = Gull Wing taped and reel (1500 PER REEL)



Note for Testing: When testing, probe the sensors in a location where the terminals will not get bent during or after test. Bent terminals are not acceptable.



DIMENSIONS ARE "AFTER TEST" INCHES [mm]
TOLERANCES: UNLESS NOTED OTHERWISE
.XX: ± .010
.XXX: ±.005
ANGULAR: ±1/2°

59166 - 1 - - 00 -
SENSITIVITY (S,T,U)
TERMINATION (A,C,D)

ELECTRICAL RATINGS			
CONTACT FORM			A
CONTACT RATING		WATTS	10
VOLTAGE	SWITCHING	VDC-MAX	200
	BREAKDOWN	VDC-MIN	250
	ARC - QUENCH	VDC-MIN	200
CURRENT	SWITCHING	AMPS-MAX	0.5
	CARRY	AMPS-MAX	0.8
RESISTANCE	INITIAL CONTACT	OHMS-MAX	0.1
	INSULATION	OHMS-MIN	10 ¹²
CAPACITANCE		PICOFARADS-TYP	0.3
OPERATING CHARACTERISTICS			
OPERATE TIME		ms-MAX	0.6
RELEASE TIME		ms-MAX	0.2
SHOCK		G's MAX, 11ms 1/2 SINE WAVE	100
VIBRATION		G's MAX, 50-2000 HERTZ	30
RESONANT FREQUENCY		HERTZ, TYPICAL	5500
TEMPERATURE	OPERATING	DEGREES CELCIUS	-40 to +125
	STORAGE	DEGREES CELCIUS	-65 to +125
	REFLOW (15 SEC) MAX	DEGREES CELCIUS	260

