

SYSTEM NO.
SEE CHART

OVERMOLDED MDSR-7

DRAWING NO.
D10-59166-1-X-00-X-1

| 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. |

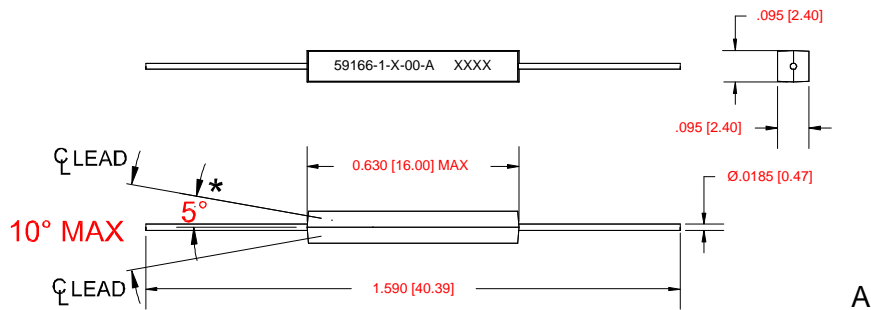
PART NUMBER INFORMATION

| | | | | |
|----------------------|-------------------------|-------------------------------------|-----|---|
| SERIES 59166 | TABLE 1 -SWITCH TYPE | TABLE 2 -SENSITIVITY | -00 | TABLE 3 PACKAGING |
| 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.

| | | | | | |
|---------------------------|--------------------|--|-----------------|------------------|------------|
| ORIGINAL DCR NO. L3516 | HAMLIN | PROPRIETARY NOTE: THE INFORMATION ON THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF HAMLIN. THIS DRAWING MUST NOT BE MADE PUBLIC OR COPIED UNLESS AUTHORIZED IN WRITING BY HAMLIN. THIS DRAWING IS SUBJECT TO RETURN UPON DEMAND. | SHEET 1 of 2 | DCR No. L3516 | REV. AA |
| DRAWN BY: KCL | DATE: 05-May-08 | DESCRIPTION OF REVISION: New Drawing | DRAWN BY: | DATE: | |
| APP'D BY: HG | DATE: 09-May-08 | | APP'D BY: | DATE: | |

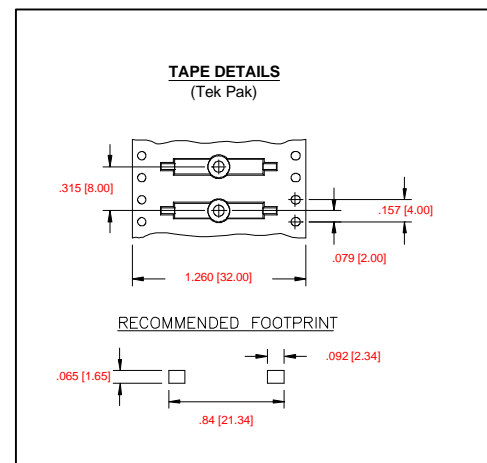


DIMENSIONS ARE "AFTER TEST" INCHES [mm]
TOLERANCES: UNLESS NOTED OTHERWISE
.XX: ± .010
.XXX: ±.005
ANGULAR: ±1/2°



C BULK
D TAPE & REEL

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



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SHEET
2 of 2

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