

## 59210 Lever Arm Sensor Features and Benefits



59210 Sensor

### Features

- Clip mounting frame
- Shrouded terminal accepts Molex SL terminal or equivalent
- Low operating force
- Variety of arm configurations available (contact Hamlin)

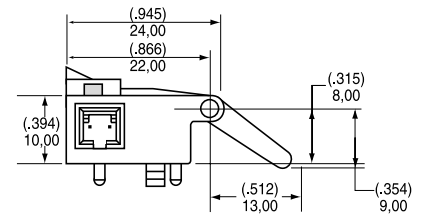
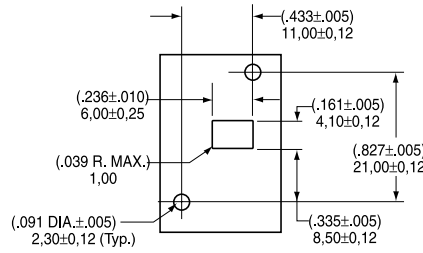
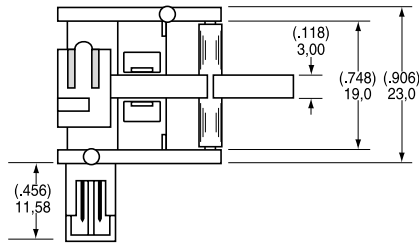
### Benefits

- No standby power requirement
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

### Applications

- Paper path sensing
- Security system switching

## DIMENSIONS (in) mm



BOARD MOUNTING DIMENSIONS  
MATERIAL (.063±.008 THICK)  
1,6±0,21

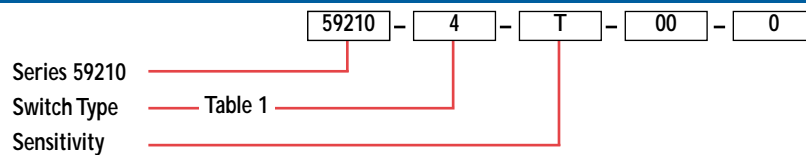
## CUSTOMER OPTIONS - Switching Specifications

| TABLE 1      |                  |             | Normally Closed  |
|--------------|------------------|-------------|------------------|
| Contact Type |                  |             |                  |
| Switch Type  |                  |             | 4                |
| Voltage      | Power            | Watt - max. | 10               |
|              | Switching        | Vdc - max.  | 200              |
| Current      | Breakdown        | Vdc - min.  | 250              |
|              | Switching        | A - max.    | 0.5              |
| Resistance   | Carry            | A - max.    | 1.2              |
|              | Contact, Initial | Ω - max.    | 0.2              |
| Capacitance  | Insulation       | Ω - min.    | 10 <sup>10</sup> |
|              | Contact          | pF - typ.   | 0.3              |
| Temperature  | Operating        | °C          | -40 to +105      |
|              | Storage          | °C          | -65 to +105      |
| Time         | Operate          | ms - max.   | 1.0              |
|              | Release          | ms - max.   | 1.0              |
| Shock        | 11ms 1/2 sine    | G - max.    | 100              |
| Vibration    | 50-2000 Hz       | G - max.    | 30               |

### ACTIVATION

| Must Actuate | Must Release |
|--------------|--------------|
| <15°         | >2°          |

## ORDERING INFORMATION



Notes 1) 59210 is normally closed when the spring loaded arm is at rest. Actuate and release points refer to arm rotation from the rest position.

2) Connectors match Molex® SL connector or equivalent. Purchase housing and pins from connector supplier. Assembly required.

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