### Key operated Safety Interlock Switches for Gate Monitoring

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<td><strong>Miniature safety key interlock switch</strong></td>
<td>• Door control for:  - Electronic assembly  - Packaging / wrapping  - Printing</td>
<td>• Key operated guard for door interrupt</td>
<td>• Slow action  - 1NC + 1NO  - 2NC</td>
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<tr>
<td><strong>Dual entry key operated safety interlock switch</strong></td>
<td>• Key operated switch for:  - Sliding guard doors and screens  - Protective covers or enclosures with hinge, or removable</td>
<td>• Key operated guard for door interrupt</td>
<td>• Slow action  - 1NC + 1NO (BBM)  - 2NC  - 2NC + 2NO  - 3NC + 1NO  - 4NC</td>
<td>• Compact design  • Side or top key entry  • Prewired or connectorized  • Through wiring option (dual connection)  • Positive opening  • Sealing IP 67, NEMA 1, 12, 13  • Low energy contact version available</td>
<td>Mounting holes: 32 mm / 1.26 in</td>
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<tr>
<td><strong>Dual entry solenoid key operated safety interlock switch</strong></td>
<td>• Locking key operated switch for:  - Machines where instant stop is not possible  - Presses  - Metal working  - Machine tool  - Automotive plant floor</td>
<td>• Key operated door interlock with solenoid locking capability</td>
<td>• Slow action  - 1NC + 1NO (BBM)  - 2NC  - 2NC + 2NO  - 3NC + 1NO</td>
<td>• Compact design  • Side or top key entry  • Prewired or connectorized  • Through wiring option (dual connection)  • Positive opening  • Low energy contact version available</td>
<td>Mounting holes: 22 mm / 0.86 in</td>
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**Approvals:**  EN 60947-5-1-3  
**Features:**  Compact design  Side or top key entry  Prewired or connectorized  Through wiring option (dual connection)  Positive opening  Sealing IP 67, NEMA 1, 12, 13  Low energy contact version available

**Dimensions:**  Compact design  Side or top key entry  Prewired or connectorized  Through wiring option (dual connection)  Positive opening  Low energy contact version available
## Safety Electromechanical Switches for Gate Monitoring

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<td>Hinge Mounted Limit Switch</td>
<td>- Dual direction access doors&lt;br&gt;- Access doors with space limitations&lt;br&gt;- Applications where tampering is a concern and internal mounting is desired</td>
<td>- Hinge Mounted Electromechanical switch with positive opening</td>
<td>- Slow action&lt;br&gt;1NC + 1NO (BBM) @ 2NC&lt;br&gt;2NC + 1NO&lt;br&gt;4NC&lt;br&gt;2NC + 2NO (BBM) @ 2NC&lt;br&gt;3NC + 1NO (BBM) @ 4NC&lt;br&gt;Snap action&lt;br&gt;1NC + 1NO</td>
<td>- Choice of zinc die-cast or plastic housings&lt;br&gt;- IP 66/ NEMA 1, 4, 12, 13&lt;br&gt;- Positive opening&lt;br&gt;- Operating temperature: -25 °C to +85 °C / -13 °F to 185 °F&lt;br&gt;- Low energy contact version available</td>
<td>GSS HINGE&lt;br&gt;Mounting holes 25 mm / 0.98 in&lt;br&gt;30 mm x 60 mm / 1.18 in x 2.36 in</td>
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<tr>
<td>Global Safety Switch</td>
<td>- Door control for:&lt;br&gt;- Machines-tools&lt;br&gt;- Wood machinery&lt;br&gt;- Automatic assembling machines</td>
<td>- Electromechanical switch with positive opening</td>
<td>- Slow action&lt;br&gt;1NC + 1NO (MBB) @ 2NC&lt;br&gt;2NC + 1NO (BBM) @ 2NC&lt;br&gt;3NC + 1NO (BBM) @ 4NC&lt;br&gt;Snap action&lt;br&gt;1NC + 1NO</td>
<td>- Different housing sizes&lt;br&gt;- Harsh duty design&lt;br&gt;- Modular&lt;br&gt;- Sealing IP 67 - NEMA 1, 4, 12, 13&lt;br&gt;- Operating temperature: -25 °C to +85 °C / -13 °F to 185 °F&lt;br&gt;- Galvanic isolated contacts&lt;br&gt;- Sequential contacts&lt;br&gt;- Positive opening&lt;br&gt;- Low energy contact version available</td>
<td>GSS&lt;br&gt;Mounting holes 22 mm / 0.86 in&lt;br&gt;24.75 / 0.97</td>
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</tbody>
</table>
| Miniature Safety Electromechanical Switch | - Door control for:<br>- Material handling equipment<br>- Packaging machinery<br>- Textile machinery<br>- Small construction machinery | - Pre-wired switch with positive opening | - Slow action<br>1NC<br>1NC + 1NO (MBB) @ 1NC<br>1NC + 2NO (MBB) @ 2NC<br>2NC + 2NO sequential | - Compact design<br>- Miniature and pre-wired switch<br>- Stackable<br>- Sealing IP 66 or 67<br>- Operating temperature: 0 °C to 70 °C / 32 °F to 158 °F<br>- Contact spacing: 3 mm / 0.11 in<br>- Positive opening | 24CE/924CE<br>Mounting holes 25 mm / 0.98 in<br>11.9 / 0.47
## Cable Pull Safety Switch for Perimeter Emergency Stop

### TYPICAL APPLICATIONS

- **Cable Pull Safety Switch Single Head**
  - **APPLICATIONS**
    - Conveyor systems in manufacturing plants and factories
    - Conveyor systems with high vibration
    - Conveyor systems that experience wide temperature swings
    - Long conveyor systems where easy-through wiring or highly visible trip status is required
    - Hose down conditions
    - Packaging equipment
    - Assembly lines

- **Cable Pull Safety Switch Dual Head**
  - **APPLICATIONS**
    - Long conveyor systems
    - Conveyor systems with high vibration and wide temperature swings
    - Long conveyor systems where easy-through wiring or highly visible trip status is required
    - Hose down conditions are present

- **Explosion-Proof Cable Pull Safety Switch Single Head**
  - **APPLICATIONS**
    - Conveyors in hazardous environments
    - Grain handling
    - Petro-Chemical Plants
    - Process equipment
    - Paint lines
    - Power generating

### FUNCTIONS

- **Cable Pull Switch**
  - Cable actuated safety switch with positive opening
  - Latches on pull and slack to meet EN 418

### CONTACTS

- **1CP**
  - 1NC / 1NO
  - 2NC / 2NO
  - 3NC / 1NO
  - 4NC
  - Gold contacts available

- **1CPS**
  - 1NC / 1NO
  - 2NC / 2NO
  - 3NC / 1NO
  - 4NC
  - Gold plated contact

- **2CPS**
  - 1NC / 1NO
  - 2NC / 2NO
  - 3NC / 1NO
  - 4NC
  - Gold plated contact
  - Snap action head

- **2CPS**
  - 1NC / 1NO
  - 2NC / 2NO
  - 3NC / 1NO
  - 4NC
  - Gold plated contact
  - Snap action head

### APPROVALS

- **1CPS**
  - CE
  - UL

- **2CPS**
  - CE
  - UL

### FEATURES

- **1CPS**
  - Latches on both slackened cable and pull cable
  - Tension indicator for easy adjustment
  - Typical cable span of 76 m (250 ft)
  - With a temp change of ±17°C (±30°F) if an end spring is used
  - Large wiring cavity with straight-through wiring
  - Sealing IP 67 / NEMA 1, 4, 12, 13
  - Single high intensity LED available

- **2CPS**
  - Rugged, heavy duty metal body
  - Tension indicator for easy adjustment
  - Slackened/pulled cable detection
  - Maximum cable length in a single direction is 76 m (250 ft) and 152 m (500 ft) in dual directions
  - ±8°C / 15°F temperature tolerance
  - Large wiring cavity with straight-through wiring
  - Multi-cluster LED indicator available

### DIMENSIONS

- **1CPS**
  - Tension indicator for easy adjustment
  - Dimensions in mm/ in

- **2CPS**
  - Dimensions in mm/ in

- **CLSX**
  - Dimensions in mm/ in

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