### Key operated Safety Interlock Switches for Gate Monitoring

<table>
<thead>
<tr>
<th>TYPICAL APPLICATIONS</th>
<th>FUNCTIONS</th>
<th>CONTACTS</th>
<th>APPROVALS</th>
<th>FEATURES</th>
<th>DIMENSIONS</th>
</tr>
</thead>
</table>
| **Miniature safety key interlock switch** | • Door control for:  
- Electronic assembly  
- Packaging / wrapping  
- Printing | • Key operated guard for door interrupt | • Slow action  
. 1NC + 1NO  
. 2NC | • Compact design  
• Site 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 | in mm/in |
| **Dual entry key operated safety interlock switch** | • Key operated switch for:  
- Sliding guard doors and screens  
- Protective covers or enclosures with hinge, or removable | • Key operated guard for door interrupt | • Slow action  
. 1NC + 1NO (BBM)  
. 2NC  
. 2NC + 2NO  
. 3NC + 1NO  
. 4NC  
. Snap action  
. 1NC + 1NO | • Harsh duty design  
• Side or top key entry  
• 4 key styles  
• Single and dual LED indicator versions  
• Sealing IP 67 - NEMA 4  
• Operating temperature: -25 °C to 85 °C / -13 °F to 185 °F  
• Galvanically isolated contacts  
• Positive opening  
• Low energy contact version available | Mounting holes 22 mm / 0.86 in |
| **Dual entry solenoid key operated safety interlock switch** | • Locking key operated switch for:  
- Machines where instant stop is not possible  
- Presses  
- Metal working  
- Machine tool  
- Automotive plant floor | • Key operated door interlock with solenoid locking capability | • Slow action  
. 1NC + 1NO (BBM)  
. 2NC  
. 2NC + 2NO  
. 3NC + 1NO | • Harsh duty design  
• Side or top key entry  
• Separate contact blocks control key entry and solenoid status  
• Solenoid power to lock or unlock key  
• Sealing IP 68 - NEMA 6  
• Double LED indicator  
• Large range of solenoid voltages available  
• Positive opening  
• Low energy contact version available | Mounting holes 30 mm x 40 mm / 1.18 in x 1.58 in |

*BBM*: Break before make
Safety Electromechanical Switches for Gate Monitoring

<table>
<thead>
<tr>
<th>TYPICAL APPLICATIONS</th>
<th>FUNCTIONS</th>
<th>CONTACTS</th>
<th>APPROVALS</th>
<th>FEATURES</th>
<th>DIMENSIONS in mm/in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge Mounted Safety Limit Switch</td>
<td>Dual direction access doors</td>
<td>Hinge Mounted Electromechanical switch with positive opening</td>
<td>Slow action 1NC + 1NO (BBM) 2NC + 1NO 2NC + 2NO (BBM) 3NC</td>
<td>Choice of zinc die-cast or plastic housings</td>
<td>GSS HINGE</td>
</tr>
<tr>
<td></td>
<td>Access doors with space limitations</td>
<td></td>
<td>4NC</td>
<td></td>
<td>22/0.86</td>
</tr>
<tr>
<td></td>
<td>Applications where tampering is a concern and internal mounting is desired</td>
<td></td>
<td>2NC + 2NO (BBM)</td>
<td></td>
<td>30,5/1.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3NC + 1NO (BBM)</td>
<td></td>
<td>24.75/0.97</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>55/2.16</td>
</tr>
<tr>
<td>Global Safety Switch</td>
<td>Door control for: Machines-tools</td>
<td>Electromechanical switch with positive opening</td>
<td>Slow action 1NC + 1NO (MBB) 2NC</td>
<td>Different housing sizes</td>
<td>GSS</td>
</tr>
<tr>
<td></td>
<td>Wood machinery</td>
<td></td>
<td>2NC + 2NO (MBB)</td>
<td>Modular</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Automatic assembling machines</td>
<td></td>
<td>3NC + 1NO (MBB)</td>
<td>Sealing IP 67 - NEMA 1, 4, 12, 13</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Galvanic isolated contacts</td>
<td></td>
</tr>
<tr>
<td>Miniature Safety Electromechanical Switch</td>
<td>Door control for: Material handling equipment</td>
<td>Pre-wired switch with positive opening</td>
<td>Slow action 1NC 1NC + 1NO (MBB) 1NC + 2NO</td>
<td>Compact design</td>
<td>24CE/924CE</td>
</tr>
<tr>
<td></td>
<td>Packaging machinery</td>
<td></td>
<td>(MBB)</td>
<td>Miniature and pre-wired switch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Textile machinery</td>
<td></td>
<td></td>
<td>Stackable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Small construction machinery</td>
<td></td>
<td></td>
<td>Sealing IP 66 or 67</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Operating temperature: 0°C to 70°C / 32°F to 158°F</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Contact spacing: 3 mm / 0.11 in</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Positive opening</td>
<td></td>
</tr>
</tbody>
</table>

© Honeywell International Inc. - June 2003
Cable Pull Safety Switch for Perimeter Emergency Stop

<table>
<thead>
<tr>
<th>TYPICAL APPLICATIONS</th>
<th>FUNCTIONS</th>
<th>CONTACTS</th>
<th>APPROVALS</th>
<th>FEATURES</th>
<th>DIMENSIONS in mm/ in</th>
</tr>
</thead>
</table>
| **Cable Pull Safety Switch Single Head** | - Cable pull switch for:  
  - 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 actuated safety switch with positive opening  
  Latches on pull and slack to meet EN418 | - 1NC/1NO  
- 2NC/2NO  
- 3NC/1NO  
- 4NC | - 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 | 1CP | 1CPS |

| **Cable Pull Safety Switch Dual Head** | - Cable pull switch for:  
  - 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 | - Cable actuated safety switch with positive opening  
  Latches on pull and slack to meet EN418 | - Gold plated contact:  
  - 2NC/2NO  
- 3NC/1NO  
- 4NC | - 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 | 2CP | 2OPS |

| **Explosion-Proof Cable Pull Safety Switch Single Head** | - Cable pull switch for:  
  - Conveyors in hazardous environments  
  - Grain handling  
  - Petro-Chemical Plants  
  - Process equipment  
  - Paint lines  
  - Power generating | - Cable actuated safety switch with positive opening  
  Latches on pull, use two CLSX switches to meet EN418 | - 1NC/1NO  
- 2NC  
- 4NC | - Tension indicator for easy adjustment  
- Broken/slackened cable detection  
- Snap action head  
- Sealing IP 67 / NEMA 1, 3, 4, 7, 9, 13  
- 60 m / 200 ft max. cable length | CLSX | CLSX |