

## Application Guide: Bottleneck - Beverage Can Plant

<p><b>Fortress Solution:</b></p> <ul style="list-style-type: none"> <li>• <b>SS2-2-0-MLIN-A02022-D024PU-V01CFS</b> Solenoid Isolation Switch in an Enclosure</li> <li>• <b>DM1-MLIN-H</b> Single Barrel Mechanical Door Lock</li> </ul>	<p><b>System Schematic:</b></p> <p>SS2-2-0-MLIN-A02022-D024PU-V01CFS</p> <p>DM1</p> <p>MLK-SUGM</p> <p>DM1</p>	
<p><b>Sequence of Operations:</b></p>		
<p>To isolate power to the bottleneck, an operator must request entry using a nearby control panel. The signal from the panel is sent to the machine's control system, bringing the machine to a controlled stop. Once the machine has completely stopped, a signal is sent to the solenoid control unit releasing the two Access Keys. The operator can then remove the Access Keys from the solenoid unit and insert them into the Mechanical Door Locks. These locks are mounted on the various access points. An operator must insert, turn, and trap the Access Key in the mechanical door lock before the actuator is released and access into the cell can be achieved.</p>		
<p><b>Application Requirement:</b></p>		
<p>The bottleneck in a metal beverage can manufacturing plant attaches the neck of a can to the body of a recently decorated can. Cans are continuously fed into a machine via a conveyor in a singular manner and the neck is stamped onto the body in rapid succession. Operators may need to gain access in case of a machine breakdown, but due to the speed in the stamping process, there's a run-down time before the machine comes to a complete stop. Therefore, access into the cell should only be achieved once the machine has come to a controlled stop.</p>		