

Latching Solenoid for Fire Suppression Systems

Description:

This example of latching technology was designed to replace pyrotechnic burst devices in fire protection applications. The unit is held in the latched position and when provided a release signal, drives a burst pin into a compressed gas cylinder releasing the pressure through internal ports. Based upon the cylinder being burst, strokes, latching force and port size can be modified as required.

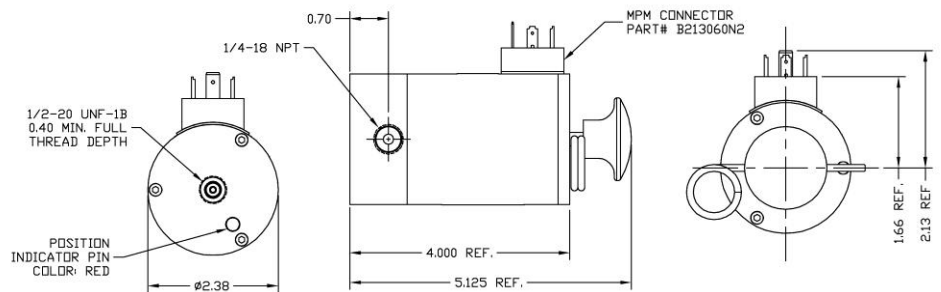


Features:

- High latching forces
- Fast response
- Low power consumption
- Low pressure drop/high-flow capability
- 15 year life guarantee
- Options
 - Manual release button
 - Reset tool

Possible Applications:

- Fire protection applications
- Process control valves
- Damper control
- High speed disconnects
- Water system injection
- Replacement valve for pyrotechnic burst systems



Example Specifications:

Metric (English as applies)

Stroke (can be designed to specification)	5.1 ± .635 mm (.20 ± .025 in)
Latching Force	>578 N (>130 lbs)
Manual Override Force	33.36-178 N (16-40 lbs) max
Spring Load (de-latched)	333 N (75 lbs) reference
Spring Load (latched)	489 ± 66.7 N (110 ± 15 lbs) min
Resistance at 20°C	28.0 ± 2.5 Ω
Supply Voltage	28 Vdc
Operating Temperature Range	-40 to 60°C (-40 to 140°F)
Connector Type	MPM B213060N2