Hazardous Location Solenoids | Product Detail

**Ex d IIC Hazardous Coil**

**Description**

The Ex d IIC is a hazardous location solenoid designed for use in areas where combustible gases and dusts may be present.

- Various On-Off (Rectified AC or DC) and Proportional (DC) options available
- Chemical-resistant polyester powder coating for extreme conditions
- M20 or 1/2NPT conduit connection terminal block with push in termination
- Zinc nickel for effective corrosion resistant products
- Screw-in or 4-bolt interface

**Specification**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Up to 250 Volts AC or DC</td>
</tr>
<tr>
<td>Wattage</td>
<td>Ambient/Surface Temp. Dependant</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>100% Continuous Duty</td>
</tr>
<tr>
<td>Standard Pressure</td>
<td>5,000 PSI Standard NFPA Rated</td>
</tr>
<tr>
<td>Corrosion Resistance</td>
<td>Up to 1,000 Hours Salt Spray</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-40°C up to 130°C (T4)</td>
</tr>
<tr>
<td>Ingress Protection Rating</td>
<td>IP66</td>
</tr>
</tbody>
</table>

**Hazardous Certifications Table***

<table>
<thead>
<tr>
<th>Protection Method</th>
<th>Hazardous Code</th>
<th>Hazardous Detail</th>
<th>Certification Agency</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion Proof</td>
<td>(XP)</td>
<td>Class I, Div 1</td>
<td>CSA (C &amp; US)</td>
<td>North America</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GRP C,D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame Proof</td>
<td>Ex d</td>
<td>Zone 1, 2G</td>
<td>ATEX IECEx</td>
<td>Europe</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>International</td>
</tr>
<tr>
<td>Dust Ignition Proof</td>
<td>(DIP)</td>
<td>Class II, Div 1</td>
<td>CSA (C &amp; US)</td>
<td>North America</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GRP E,F,G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dust-tight Enclosure</td>
<td>Ex tb</td>
<td>Zone 21, 2D</td>
<td>ATEX IECEx</td>
<td>Europe</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>International</td>
</tr>
</tbody>
</table>

*Additional certifications available for special markets

GO TO WWW.GWLISK.COM TO LEARN MORE ABOUT OUR CUSTOM SOLENOIDS, SOLENOID VALVES, SENSORS (LVDT) AND FLAME ARRESTOR PRODUCTS.
About G.W. Lisk Company

LISK is a global leader in the design and manufacture of custom solenoids, solenoid valves, LVDTs, and flame arrestors, providing custom-engineered solutions to customers in diverse markets including military, aerospace, automotive, commercial, and medical. We provide custom-engineered products and solutions to help customers meet demanding operational and strict environmental requirements in the following areas:

- Application Solutions
- Hardware Engineering
- Mechanical Design & Development
- Rapid Prototyping
- Qualification Testing
- Industry Certifications
- Vertical Integration (Manufacturing)
- Serial Production

Our family of hazardous location solenoid products feature robust designs for high vibration environments and carry multiple global certifications. These products are best suited where the potential for explosive or hazardous gas environments exist such as oil and gas drilling, power generation, turbine process control, and specialty actuators.

The experts at LISK can also guide you through the complexity of Hazardous Location certifications.

LISK prides itself on customer service, vertical integration, and the ability to provide custom solutions. For over 50 years LISK has been a leading supplier of custom engineered solenoids and solenoid valves.

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