 Features

- Explosionproof, Type 4 & 4X Low Power and Intrinsically Safe solenoids
- Poppet design provides durability and reliability in a wide range of ambient temperatures
- Nickel plated brass, or 316 stainless steel bodies designed for harsh process conditions
- High efficiency, low wattage coils at 0.5w
- 1/4" NPT inline connection
- Cv factor of 0.9
- Easy positioning with adjustable stainless steel conduit coupler

 Construction

<table>
<thead>
<tr>
<th>Part</th>
<th>Material</th>
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</thead>
<tbody>
<tr>
<td>Body</td>
<td>Nickel Plated Brass, 316 Stainless Steel</td>
</tr>
<tr>
<td>Solenoid Enclosure</td>
<td>Ryton™ (Polyphenylene Sulfide)</td>
</tr>
<tr>
<td>Seals and Disc</td>
<td>Buna “N”</td>
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 Electrical

<table>
<thead>
<tr>
<th></th>
<th>120/60 AC</th>
<th>DC 12V</th>
<th>DC 24V</th>
<th>IS 24VDC</th>
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<tbody>
<tr>
<td>Nominal Watt Rating</td>
<td>2.0w</td>
<td>5.0w</td>
<td>5.0w</td>
<td>5.0w</td>
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<tr>
<td>Operating Current</td>
<td>25.3mA</td>
<td>30mA</td>
<td>15mA</td>
<td>29mA</td>
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</table>

- 12V compatible with DeviceNet, 24V compatible with AS-i

 Ambient Temperatures

-4°F to 158°F (-20°C to 70°C)

 Solenoid Enclosures

 Enclosure Option Code
 EE - Div. 1 with 3/4" MNPT connector
 AS - Intrinsically Safe with 3/4" MNPT connector

 Voltage Codes
 AG - 120/60
 D1 - 12/DC
 D2 - 24/DC

 Ratings and Approvals

 EE - Class I, Div. 1, Groups A,B,C, & D Class II, Div. 1, Groups E,F & G Non-incendive Class I, Div. 2, Groups A,B,C, & D Class II, Div. 2, Groups F & G Hazardous locations Class I, Zone 1 AEx d m IIC T6 @ 70°C
 AS - Intrinsically Safe Class I, II, III, Div. 1, Groups A-G, Class I, Zone 0, AEx ia IIC T6 @ 70°C ATEX category 1G, Operator Only
 II 1G EEx i a IIC T6
 KEMA 03ATEX 1173X

 Optional Features

 Specify suffix codes for manual operators
 MI - Momentary (push in & hold)
 MS - Sustained (push in & turn)
Entity Parameters for Intrinsically Safe option AS

<table>
<thead>
<tr>
<th>Groups A-G</th>
<th>V max</th>
<th>I max</th>
<th>P max</th>
<th>Capacitance</th>
<th>Inductance</th>
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<tbody>
<tr>
<td>Parameters</td>
<td>30 VDC</td>
<td>100 mA</td>
<td>0.75 W</td>
<td>0 nf</td>
<td>0 mH</td>
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Specifications

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<tbody>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>0.9</td>
<td>35</td>
<td>110</td>
<td>AIR</td>
<td>180</td>
<td>8355B002</td>
<td>8355B082</td>
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Enclosure Voltage Options

Ordering Example: 8355B082 EE D2 MS

Note: When using flow controls, use flow control between port 2 and actuator.

Dimensions Inches (mm)

Const. Ref. 1