3/2 universal
Certification T6 (Tamb = -55°C to +50°C (-67°F to +122°F)) & T4 (Max ambient +90°C (+194°F)) or equipment must be used within ‘T’ class temp ranges shown.

EX II 2 GD - gas and dust environments.
Exd IIX - Exd protection, gas group IIC.
Atex certification SIRA 05ATEX1156, complies with ATEX directive 94/9/EC
IECEx certification IECEx SIR 05.0029
Safety integrity level SIL 3 or SIL 4 (SIL 4 in a redundant configuration only)
Protection IP66/X8, NEMA 4X

Technical features
Max. inlet pressure: 0-12 bar (0-174 psi)
Temperature ratings:
Media (min/max): -55°C/90°C (-67°F/194°F)
Ambient: must be used within ‘T’ class temperature ranges shown
Port size: 1/2”
Process connections: NPT
Conduit / Signal Conns: M20 x 1.5mm ISO (F)

Media: Customer to specify and confirm compatibility
Materials
Valve body & trim - 316L stainless steel
O-Rings seats & seals - nitrile
Paint finish - 316LSS coil housing - unpainted

Electrical information

<table>
<thead>
<tr>
<th>Voltage (nominal)</th>
<th>24V DC</th>
<th>Pull-in Voltage</th>
<th>&gt;= 87.5% of nominal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Response Times (Typ)</td>
<td>Pull-in</td>
<td>&lt; 80 MS</td>
<td>Drop Out</td>
</tr>
<tr>
<td>Coil Rating</td>
<td>74 ohms</td>
<td>Power Consumption</td>
<td>7.8 watts</td>
</tr>
<tr>
<td>Voltage Protection</td>
<td>Surge suppression diodes fitted as STD</td>
<td>Coil Encapsulation</td>
<td>Class H</td>
</tr>
<tr>
<td>Leak Performance</td>
<td>Bubble tight at -50°C, &lt;30cc/m at -55°C.</td>
<td>Coil Duty Cycle</td>
<td>100%</td>
</tr>
</tbody>
</table>

ICO3S 1/2” 3/2 12 BAR (174 PSI) AUTO
Flow rates:
Cv = 2.1 USgpm for 1 psi Δp
Kv = 30.2 l/min for 1 bar (15 psi) Δp
Weight: 2.5 kg
Operation: Automatic
Coil Rating: 74 ohms
Power Consumption: 7.8 watts
Ordering information:
Quote: Y013AA3H1BS
Options: None

Profile and dimensions mm

For further information www.norgren.com
ICO3S 1/2" 3/2 12 BAR (174 PSI) PBMO

Flow rates:
- \( C_v = 2.1 \text{ USgpm for 1 psi } \Delta p \)
- \( K_v = 30.2 \text{ l/min for 1 bar } \) (15 psi) \( \Delta p \)

**Weight:** 2.5 kg  
**Operation:** Push button manual override  
**Coil Rating:** 74 ohms

**Power Consumption:** 7.8 watts  
**Ordering information:** Quote: Y013CA3H1BS  
**Options:** None

ICO3S 1/2" 3/2 12 BAR (174 PSI) PBMR

**Process connections:**  
NPT  
2.8 kg

**Operation:** Push button manual reset  
**Coil Rating:** 190 ohms

**Power Consumption:** 3 watts  
**Ordering information:** Quote: Y013PA3H1BS  
**Options:** None

For further information www.norgren.com