Model: ICO4S 1/4" 3/2 UNI
Direct acting solenoid valve
Low pressure, high flow
Max inlet pressure 20 bar (290 psi)
Reliable and long life, ideal for a one time installation
Control of pneumatic or hydraulic operated equipment
ATEX, CSA, GOST K & R, IECEX and NEMA 4X

Technical features
- Maximum inlet pressure: 20 bar (290 psi)
- Flow rates:
  - $C_v = 0.8 \text{ USgpm for 1 psi } \Delta P$
  - $K_v = 11.5 \text{ l/min for 1 bar (15 psi) } \Delta P$
- Process connections: NPT
- Conduit connection: M20 x 1.5 conduit thread
- Media: Customer to specify and confirm compatibility

ICO4S 1/4" 3/2 20 BAR (290 PSI) AUTO

Temperature ratings:
- Media (min/max -20°C/90°C (-4°F/194°F)) Ambient (min/max 0°C/60°C (32°F/140°F))
- Valve size: 1/4" balanced poppet valve
- Weight: 5.5 kg

Materials:
- Solenoid pot - stainless steel - BFC 316
- Top cover - stainless steel - BFC 316
- Valve body & trim materials - 316 stainless steel - 316L stainless steel to the valve body and trim materials
- O-rings seats & seals - high nitrile (NBR)
- Coil insulation - class H

Option selector

<table>
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<tr>
<th>Model</th>
<th>Substitute</th>
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<td>ICO4S</td>
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<td>Operating pressure</td>
<td>Substitute</td>
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<td>0-20 bar</td>
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<td>Port config.</td>
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<tr>
<td>Operation</td>
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<tr>
<td>Automatic</td>
<td>A</td>
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<tr>
<td>Automatic latching lever</td>
<td>B</td>
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<td>Push button manual override</td>
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<td>Push button manual reset</td>
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<td>Jack screw manual overrides</td>
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<td>Tamperproof manual reset button</td>
<td>T</td>
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<tr>
<td>Process conn.</td>
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<tr>
<td>1/4&quot; NPT</td>
<td>A1</td>
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<td>1/4&quot; BSPP</td>
<td>E1</td>
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<tr>
<td>Seat / seal materials</td>
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<tr>
<td>High nitrile</td>
<td>H</td>
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<tr>
<td>Viton®</td>
<td>V</td>
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</table>

Body / trim materials
- Substitute S
- 316 SS / 316 SS T

Voltage
- Substitute A
- 18 / 33V DC A
- 24V DC B
- 50V DC C
- 25V AC G
- 115V AC J
- 240V AC M
- 115V DC R

Conduit connection
- Substitute 1
- M20 x 1.5 1
- 1/2" NPT 2

Click here to view the full page and other product information.
ICO4S 1/4" 3/2 20 BAR (290 PSI) A-L-L

Temperature ratings:
- Media: (min/max) -20°C/90°C (-4°F/194°F) Ambient (min/max) 0°C/60°C (32°F/140°F)

Valve size:
- 1/4" balanced poppet valve

Weight: 5.5 kg

Materials:
- Solenoid pot - stainless steel - BFC 316
- Top cover - stainless steel - BFC 316
- Valve body & trim materials - 316 stainless steel - 316L stainless steel to the valve body and trim materials
- O-rings seats & seals - high nitrile (NBR)
- Seats - nylon 66
- Coil insulation - class H

ICO4S 1/4" 3/2 20 BAR (290 PSI) JSMO

Temperature ratings:
- Media: (min/max) -20°C/90°C (-4°F/194°F) Ambient (min/max) 0°C/60°C (32°F/140°F)

Valve size:
- 1/4" balanced poppet valve

Weight: 6 kg

Materials:
- Solenoid pot - stainless steel - BFC 316
- Top cover - stainless steel - BFC 316
- Valve body & trim materials - 316 stainless steel - 316L stainless steel to the valve body and trim materials
- O-rings seats & seals - high nitrile (NBR)
- Seats - coil insulation - nylon 66

ICO4S 1/4" 3/2 20 BAR (290 PSI) PBMR

Temperature ratings:
- Media: (min/max) -20°C/90°C (-4°F/194°F) Ambient (min/max) 0°C/60°C (32°F/140°F)

Valve size:
- 1/4" balanced poppet valve

Weight: 5.5 kg

Materials:
- Solenoid pot - stainless steel - BFC 316
- Top cover - stainless steel - BFC 316
- Valve body & trim materials - 316 stainless steel - 316L stainless steel to the valve body and trim materials
- O-rings seats & seals - high nitrile (NBR)
- Seats - coil insulation - nylon 66

Profile and dimensions mm
ICO4S 1/4" 3/2 20 BAR (290 PSI) PBMO

**Temperature ratings:**
- Media (min/max): -20°C/90°C (-4°F/194°F)
- Ambient: must be used within ‘T’ class temperature ranges shown

**Materials:**
- Valve body & trim - 316L stainless steel
- O-Rings seats & seals - high nitrile
- Paint finish - stainless steel
- Coil housing - unpainted

**Weight:** 5 kg

**Electrical information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage (nominal)</td>
<td>24V DC</td>
</tr>
<tr>
<td>Response Times (Typ)</td>
<td>Pull-in: &lt; 150 MS</td>
</tr>
<tr>
<td>Coil Rating</td>
<td>125 ohms</td>
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<tr>
<td>Voltage Protection</td>
<td>Surge suppression diodes fitted as STD</td>
</tr>
<tr>
<td>Leak Performance</td>
<td>Bubble tight</td>
</tr>
<tr>
<td>Pull-in Voltage</td>
<td>&gt;= 87.5% of nominal</td>
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<tr>
<td>Drop-Out Voltage</td>
<td>10 - 20% of nominal</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.5 watts</td>
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<tr>
<td>Coil Encapsulation</td>
<td>Class H</td>
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<tr>
<td>Coil Duty Cycle</td>
<td>100%</td>
</tr>
</tbody>
</table>

ICO4S 1/4" 3/2 20 BAR (290 PSI) TPMR

**Temperature ratings:**
- Media (min/max): -20°C/120°C (-4°F/248°F)
- Ambient: must be used within ‘T’ class temperature ranges shown

**Materials:**
- Valve body & trim - 316L stainless steel
- O-Rings seats & seals - high nitrile
- Paint finish - stainless steel
- Coil housing - unpainted

**Weight:** 6.5 kg

**Electrical information**

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