ICO4S
1/4" 3/2 VALVE
20 BAR, EXTREME SERVICE/ HIGH TEMP.

Certification EExd IIC T6 (Tamb = -60°C to +48°C (-76°F to +118°F))
or EExd IIC T4 (Tamb = -60°C to +90°C (-76°F to +194°F)).
Complies with EN 50014:1997 (amendments 1 & 2) and EN 50018:1994.
Atex certification SIRA 00ATEX1147, complies with ATEX directive 94/9/EC
IECEx certification IECEx BAS 04.0019, complies with IEC 60079-0:2000
& IEC 60079-1:2001
SIL 3 or SIL 4 (SIL 4 in a redundant configuration only)
Protection IP66/X8, NEMA 4X

Technical features
Max. inlet pressure: 0-20 bar (0-290 psi)
Flow rates:
Cv = 0.8 USgpm for 1 psi Δp
Kv = 11.5 l/min for 1 bar (15 psi) Δp
Port size: 1/4"
Process connections: NPT

Electrical information

<table>
<thead>
<tr>
<th>Voltage (nominal)</th>
<th>Pull-in Voltage</th>
<th>Pull-in Times (Typ)</th>
<th>Drop Out Times (Typ)</th>
<th>Drop-Out Voltage</th>
<th>Coils Encapsulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V DC</td>
<td>&gt;= 87.5% of nominal</td>
<td>&lt; 150 MS</td>
<td>&lt; 80 MS</td>
<td>10 - 20% of nominal</td>
<td>Class H</td>
</tr>
</tbody>
</table>

Conduit / Signal Conns: M20 x 1.5mm ISO (F)
Media: Customer to specify and confirm compatibility

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

Temperature ratings:
Media (min/max): -20°C/90°C (-4°F/194°F)
Ambient: must be used within 'T' class temperature ranges shown
Coil Rating: 60 ohms
Power Consumption: 9.5 watts
Weight: 5.5 kg
Operation: Automatic

Materials:
Valve body & trim - titanium
O-Rings seats & seals - high nitrile
Paint finish - stainless steel
coil housing - unpainted

Ordering information:
Quote: Y123AA1H1B3003
Options: Extreme service (9.6 Watts)

For further information www.norgren.com
ICO4S 1/4" 3/2 20 BAR (290 PSI) IN AUTO HIGH TEMP SPACER

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

**Coil Rating:**
125 ohms

**Power Consumption:**
4.5 watts

**Weight:** 5 kg

**Operation:** Automatic

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

**Ordering information:**
- Quote: Y123AA1H1BS002
- Options: High temperature spacer

ICO4S 1/4" 3/2 20 BAR (290 PSI) EXTREME SERVICE A.L.L.

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

**Coil Rating:**
60 ohms

**Power Consumption:**
9.6 watts

**Weight:** TBA Kg

**Operation:** Automatic latching lever

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

**Ordering information:**
- Quote: Y123BA1H1BM017
- Options: Extreme service (9.6 watts)
**ICO4S 1/4" 3/2 20 BAR (290 PSI) EXTREME SERVICE PBMO**

**Temperature ratings:**
- Media (min/max): -20°C/90°C (-4°F/194°F)
- Ambient: must be used within "T" class temperature ranges shown

**Coil Rating:**
- 60 ohms

**Power Consumption:**
- 9.6 watts

**Weight:**
- 5 kg

**Operation:**
- Push button manual override

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

**Ordering information:**
- Quote: Y123CA1H1BM003
- Options: Extreme service

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

**Temperature ratings:**
- Media (min/max): -50°C/50°C (-58°F/122°F)
- Ambient: must be used within "T" class temperature ranges shown

**Coil Rating:**
- 1500 ohms

**Power Consumption:**
- 8 watts

**Weight:**
- 5 kg

**Operation:**
- Push button manual reset

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

**Ordering information:**
- Quote: Y123PA1L1DS003
- Options: Extreme service

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For further information [www.norgren.com](http://www.norgren.com)
**ICO4S 1/4" 3/2 20 BAR (290 PSI) EXTREME SERVICE JSMO**

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

**Coil Rating:** 60 ohms

**Power Consumption:** 9.6 watts

**Weight:** 7 kg

**Operation:** Jackscrew manual override

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

**Ordering information:**
- Quote: Y123SA1H1BM003
- Options: Extreme service (9.6 watts)

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**ICO4S 1/4" 3/2 20 BAR (290 PSI) HIGH TEMP SPACER JSMO**

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

**Coil Rating:** 60 ohms

**Power Consumption:** 9.6 watts

**Weight:** 7 kg

**Operation:** Jackscrew manual override

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

**Ordering information:**
- Quote: Y123SA1H1BM003
- Options: Extreme service (9.6 watts)

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Profile and dimensions mm