EXtreme Operating Distance Series

**FEATURES:**

- Up to **4 times** greater operating distance than standard sensors
- Short circuit & reverse polarity protection
- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>X0010</td>
<td>NPN, NO*</td>
<td>M8 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
<td>500 Hz</td>
<td>≤ 1%</td>
<td>3-15 %</td>
<td>Nickel plated brass</td>
<td>Semi-Flush</td>
<td>- 25 to +75 °C</td>
<td>Connector C1</td>
<td>1 mm</td>
<td></td>
</tr>
<tr>
<td>X0012</td>
<td>PNP, NO*</td>
<td>M12 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
<td>300 Hz</td>
<td>≤ 1%</td>
<td>3-15 %</td>
<td>Nickel plated brass</td>
<td>Semi-Flush</td>
<td>- 25 to +75 °C</td>
<td>Connector C</td>
<td>2 mm</td>
<td></td>
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<tr>
<td>X0030</td>
<td>NPN, NO*</td>
<td>M8 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
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<td>Semi-Flush</td>
<td>- 25 to +75 °C</td>
<td>Connector C1</td>
<td>1 mm</td>
<td></td>
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<tr>
<td>X0032</td>
<td>PNP, NO*</td>
<td>M12 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
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<td>Connector C</td>
<td>2 mm</td>
<td></td>
</tr>
<tr>
<td>X0050</td>
<td>NPN, NO*</td>
<td>M8 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
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<td>Nickel plated brass</td>
<td>Semi-Flush</td>
<td>- 25 to +75 °C</td>
<td>Connector C1</td>
<td>1 mm</td>
<td></td>
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<tr>
<td>X0052</td>
<td>PNP, NO*</td>
<td>M12 x 1</td>
<td>10 - 30 Vdc</td>
<td>200 mA max</td>
<td>&lt; 8 mA</td>
<td>&lt; 1.5 V @ 200 mA</td>
<td>Yes self-resetting</td>
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<td>Nickel plated brass</td>
<td>Semi-Flush</td>
<td>- 25 to +75 °C</td>
<td>Connector C</td>
<td>2 mm</td>
<td></td>
</tr>
</tbody>
</table>

* Additional output functions available upon request

**WIRING:**

- Optional
- Male connector C1
  - 1 = brown
  - 3 = blue
  - 4 = black/output NO-NC

**CONNECTOR:**

- MALE CONNECTOR C
  - DC 3 wire
  - 1 = brown
  - 3 = blue
  - 4 = black/output NO-NC

**MOUNTING:**

- Mating Connectors:
  - S3480 C1 right angle w/ 5 meter cable
  - S3481 C1 straight w/ 5 meter cable
  - S3496/2 C right angle w/ 2 meter cable
  - S3496 C right angle w/ 5 meter cable
  - S3499/2 C straight w/ 2 meter cable
  - S3499 C straight w/ 5 meter cable

www.fargocontrols.com 732 389-3376
**FEATURES:**

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### FEATURES:

- Larger operating distance than standard sensors
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#### MODEL

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<tr>
<th>Output Function</th>
<th>NPN, NO*</th>
<th>PNP, NO*</th>
</tr>
</thead>
<tbody>
<tr>
<td>X0016</td>
<td>X0036</td>
<td>X0056</td>
</tr>
</tbody>
</table>

**Dimensions:** mm

1" = 25.4 mm

1 mm = .03937"

RoHS: Yes

**Operating Distance (Sn):**

- 6 mm
- 12 mm
- 20 mm
- 50 mm adjustable

**External Diameter:**

- M8 x 1
- M12 x 1
- M18 x 1
- M30 x 1.5

**Power Supply:** 10 - 30 Vdc

**Max Switching Current:** 200 mA max

**Power Drain (24Vdc):** < 8 mA

**Voltage Drop:** < 1.5 V @ 200 mA

**Short Circuit Protection:** Yes self-resetting

**Operating Frequency:**

- 500 Hz
- 400 Hz
- 100 Hz

**Repeatability (%Sn):** ≤ 1%

**Hysteresis (%Sn):** 3-15%

**Case:** Nickel plated brass

**Flush Mounting:** No

**Protection Degree:** IP 67

**Operating Temperature:** -25 to +75 °C

**Output Connection:**

- Connector C1
- Connector C

**Mounting Clearances mm:**

- X=8, Z=8
- X=14, Z=14
- X=24, Z=20
- X=35, Z=38

* Additional output functions available upon request

**WIRING:**

**CONNECTOR:**

- Male connector C1
- 1 = brown
- 3 = blue
- 4 = black output NO-NC

**MOUNTING:**

**MATING CONNECTORS:**

<table>
<thead>
<tr>
<th>ID#</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S3480 C1</td>
<td>right angle w/ 5 meter cable</td>
<td></td>
</tr>
<tr>
<td>S3481 C1</td>
<td>straight w/ 5 meter cable</td>
<td></td>
</tr>
<tr>
<td>S3496/2 C</td>
<td>right angle w/ 2 meter cable</td>
<td></td>
</tr>
<tr>
<td>S3496 C</td>
<td>right angle w/ 5 meter cable</td>
<td></td>
</tr>
<tr>
<td>S3499/2 C</td>
<td>straight w/ 2 meter cable</td>
<td></td>
</tr>
<tr>
<td>S3499 C</td>
<td>straight w/ 5 meter cable</td>
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