Introducing a high-safety-certified inductive sensor dedicated to mobile equipment

Our new inductive sensor is the first product combining both SIL2 certification from the TÜV and E2 certification dedicated to mobile equipment.

A high level of certification

- **Safety Integrity Level (SIL) level 2** for industrial machinery. Based on our expertise in safety products, this sensor helps you answer the need for an increased level of safety in your automated systems.

- The new **E2 certification** guarantees a high level of electromagnetic withstand, adapted to mobile equipments and vehicles.

A reliable product

Complementary outputs (NO+NC), combined with the high level of safety, guarantee the overall reliability of your installation, detecting instantly any failure (short cut, cable vulnerability, etc.)

Simply easy!™
**Benefits**

**Safe**
- E2 certification guarantees a high level of electromagnetic withstand for your mobile equipment.
- SIL2 certification answers the need for an increased level of safety in automated systems.

**Reliable**
- The presence of both NO and NC outputs enables quick detection of mechanical or electrical failure.

**Characteristics**
- Product certified UL, CSA, CE
- E2 certification by UTAC and SIL2 certification by TÜV
- Dimension: Diameters 12, 18, and 30
- Sensing distance: Dia. 12: up to 4 mm; Dia. 18: up to 8 mm; Dia. 30: up to 15 mm
- Extended voltage range: from 9V to 36V
- Degree of protection conforming to IEC 60529: IP 67 and IP 68 for cable versions; Degree of protection conforming to DIN40050: IP 69K
- Operating temperature range: -25 to +70 °C
- Extended temperature range available: -40 to +85 °C
- MTTFd = 1,810 years
- SFF (Safe Failure Fraction) = 92%
- References available in plastic or brass metal body

**References**

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<th>Description</th>
<th>Product Code</th>
<th>Standard Sensing Distance</th>
<th>Increased Sensing Distance</th>
<th>Connection*</th>
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<tr>
<td>cylindrical metal - diameter 12</td>
<td>XS1N12PC410</td>
<td>2 mm</td>
<td>XS112B3PCL2</td>
<td>Cable 2M</td>
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<tr>
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<td>M12 connector</td>
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<td>5 mm</td>
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<td>10 mm</td>
<td>XS130B3PCM12</td>
<td>M12 connector</td>
</tr>
</tbody>
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*Specific remote connectors also available such as Deutsch or AMP*