



OsiSense™ XS, inductive sensor for mobile equipment



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.

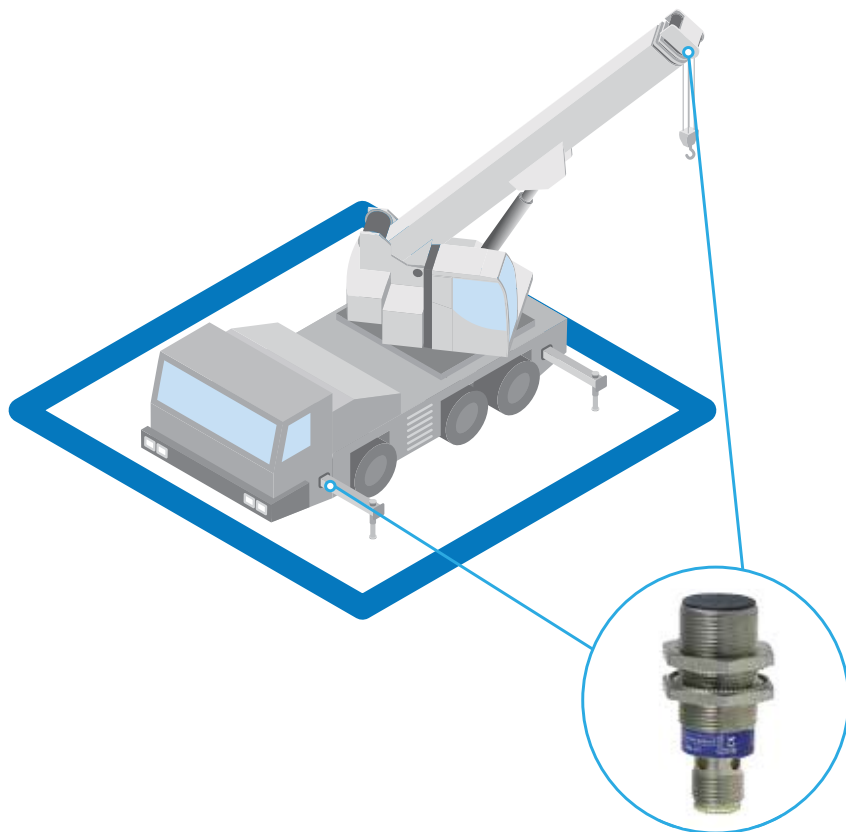
A reliable product

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!™



Telemecanique
Sensors



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

Description	Product	Standard Sensing Distance	Product	Increased Sensing Distance	Connection*
cylindrical metal - diameter 12	XS1N12PC410	2 mm	XS112B3PCL2	4 mm	Cable 2M
cylindrical metal - diameter 12	XS1N12PC410D	2 mm	XS112B3PCM12	4 mm	M12 connector
cylindrical metal - diameter 18	XS1N18PC410	5 mm	XS118B3PCL2	8 mm	Cable 2M
cylindrical metal - diameter 18	XS1N18PC410D	5 mm	XS118B3PCM12	8 mm	M12 connector
cylindrical metal - diameter 30	XS1N30PC410	10 mm	XS130B3PCL2	15 mm	Cable 2M
cylindrical metal - diameter 30	XS1N30PC410D	10 mm	XS130B3PCM12	15 mm	M12 connector

*Specific remote connectors also available such as Deutsch or AMP



Scan the QR code for more information or visit
<http://qr.tesensors.com/XS001>

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Due to the constant evolution of standards and equipment, the specifications indicated in the text and images of this document can only be guaranteed after confirmation by our departments

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