

inductive sensor XS1 M30, L41mm, brass,
Sn10mm, 12..24VDC, cable 5m



Main

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| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | Mobile equipment |
| Sensor name | XS1 |
| Sensor design | Cylindrical M30 |
| Size | 44 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 10 mm |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 5 m |
| [Us] rated supply voltage | 12..24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP68 conforming to IEC 60529 IP65 |

Complementary

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| Safety level | SIL 2 conforming to IEC 61508 PL = d conforming to ISO 13849-1 SILCL 2 conforming to IEC 62061 |
| Safety reliability data | MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller |
| Service life | 20 year(s) |
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...8 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 4 x 0.22 mm ² |
| Wire insulation material | PVC |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 9...36 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | 0...10 mA no-load |
| Maximum delay first up | 5 ms |

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| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.7 ms |
| Marking | CE |
| Threaded length | 32 mm |
| Length | 44 mm |
| Net weight | 0.16 kg |

Environment

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|---------------------------------------|---|
| Standards | IEC 62061 ISO 13849-1 |
| Product certifications | UL[RETURN]IE2[RETURN]TÜV[RETURN]CSA |
| Ambient air temperature for operation | -40...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.0 cm |
| Package 1 Width | 8.0 cm |
| Package 1 Length | 14.8 cm |
| Package 1 Weight | 320.0 g |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| Circularity Profile |  End of Life Information |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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| Warranty | 18 months |
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