# Product data sheet
## Characteristics

# XS612B4PAL5
Inductive proximity sensors XS, inductive sensor XS6 M12, L54mm, brass, Sn7mm, 12...48 VDC, cable 5 m



## Commercial status
End of commercialisation : NOV 01, 2020

⚠ End of commercialisation

## Main

| | |
|---|---|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | Mobile equipment |
| Sensor name | XS6 |
| Sensor design | Cylindrical M12 |
| Size | 54 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 7 Mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 5 M |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

| | |
|---|---|
| Thread type | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Sensing range | > 4...8 mm |
| Operating zone | 0…5.6 Mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm² |

mation provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
mentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
uty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
chneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10…58 V DC |
| Switching frequency | <= 2500 Hz DC |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 10 Ms |
| Maximum delay response | 0.2 Ms |
| Maximum delay recovery | 0.2 Ms |
| Marking | CE |
| Threaded length | 42 Mm |
| Length | 54 Mm |
| Net weight | 0.195 Kg |

## Environment

| | |
|---|---|
| Product certifications | UL<br>CSA<br>E2 |
| Ambient air temperature for operation | -25…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

| | |
|---|---|
| Package 1 Weight | 0.143 Kg |
| Package 1 Height | 0.012 Dm |
| Package 1 width | 0.012 Dm |
| Package 1 Length | 0.550 Dm |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

| | |
|---|---|
| Warranty | 18 months |

Product Life Status : End of commerc. - Block