# Product data sheet
## Characteristics

# XS9F111A1L5SA9

Inductive proximity sensors XS, inductive sensor flat, form f, 12...24 V



## Main

| | |
|---|---|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS9 |
| Sensor design | Flat form 15 x 32 x 8 |
| Size | 8 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Plastic |
| Enclosure material | PBT |
| Type of output signal | Analogue |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 5 mm |
| Output circuit type | DC |
| [Us] rated supply voltage | 24 V DC |
| IP degree of protection | IP68 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| Detection face | Frontal |
| Front material | PBT |
| Operating zone | 1…5 mm |
| Repeat accuracy | <= 3% of Sr |
| Cable composition | 3 x 0.34 mm² |
| Wire insulation material | PVC |
| Status LED | Without |
| Supply voltage limits | 15…36 V DC |
| Switching frequency | <= 2000 Hz |
| Current consumption | 0...4 mA no-load |
| Maximum output current drift | 10 % |
| Marking | CE |
| Depth | 8 mm |
| Height | 32 mm |
| Width | 15 mm |

## Environment

| | |
|---|---|
| Product certifications | UL[RETURN]CSA |
| 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 |

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## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.7 cm |
| Package 1 Width | 9.7 cm |
| Package 1 Length | 13.2 cm |
| Package 1 Weight | 171.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 2.165 kg |

## Offer Sustainability

| | |
|---|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl 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 |

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