# Product data sheet
## Characteristics

# XS506B1PBM8
## inductive sensor XS5 Ø6.5 - L42mm - stainless - Sn1.5mm - 12..24VDC - M8

### Main

| | |
|---|---|
| Commercial Status | Commercialised |
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Product specific application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical Ø 6.5 mm plain |
| Size | 42 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 1.5 mm |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M8 3 pins |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

### Complementary

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|---|---|
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Stainless steel 303 |
| Operating zone | 0...1.2 mm |
| Differential travel | 1...15% of Sr |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 5000 Hz |
| Voltage drop | <= 2 V, closed state |
| Current consumption | <= 10 mA (no-load) |
| Delay first up | <= 10 ms |
| Delay response | <= 0.1 ms |
| Delay recovery | <= 0.1 ms |
| Marking | CE |
| Height | 6.5 mm |
| Length | 42 mm |
| Product weight | 0.025 kg |

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## Environment

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|---|---|
| Product certifications | CSA<br>UL |
| 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 (duration = 11 ms) conforming to IEC 60068-2-27 |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 1004 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |