

Product data sheet

Characteristics

XS608B1PBM12

Inductive proximity sensors XS, inductive sensor XS6 M8, L62mm, stainless, Sn2.5 mm, 12...48 VDC, M12



Main

| | |
|------------------------------------|---|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS6 |
| Sensor design | Cylindrical M8 |
| Size | 62 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 | 2.5 Mm |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M12, 4 pins |
| [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 | IP67 conforming to IEC 60529 |

Complementary

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|-----------------------|------------------------------|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Stainless steel 303 |
| Sensing range | > 0...2.5 mm |
| Operating zone | 0...2 Mm |
| Differential travel | 1...15% of Sr |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 2500 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |

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|------------------------|----------|
| Maximum delay response | 0.2 Ms |
| Maximum delay recovery | 0.2 Ms |
| Marking | CE |
| Threaded length | 40 Mm |
| Length | 62 Mm |
| Net weight | 0.015 Kg |

Environment

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|---------------------------------------|---|
| Product certifications | UL 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 |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 21.0 G |
| Package 1 Height | 3.5 Cm |
| Package 1 width | 9.7 Cm |
| Package 1 Length | 6.7 Cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 44 |
| Package 2 Weight | 1.444 Kg |
| Package 2 Height | 15 Cm |
| Package 2 width | 30 Cm |
| Package 2 Length | 40 Cm |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 704 |
| Package 3 Weight | 23.936 Kg |
| Package 3 Height | 60 Cm |
| Package 3 width | 80 Cm |
| Package 3 Length | 704 Cm |

Offer Sustainability

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|----------------------------|--|
| 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

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| Warranty | 18 months |
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Product Life Status : **Commercialised**