

Product datasheet

Specifications



inductive sensor XS1 M18 - L64mm - brass - Sn8mm - 12..24VDC - M12

XS118BHNAM12

Main

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|-------------------------------|--|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS1 |
| Sensor design | Cylindrical M18 |
| Size | 64 mm |
| Body type | Fixed |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 8 mm |
| Discrete output function | 1 NO |
| Discrete output type | NPN |
| Electrical connection | Male connector M12, 4 pins |
| [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 | IP67 conforming to IEC 60529 |

Complementary

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|------------------------------------|------------------------------|
| ISO thread | M18 x 1 |
| Detection face | Frontal |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Front material | PBT |
| Operating zone | 0...6.4 mm |
| Differential travel | 1...15% of Sr |
| Output circuit type | DC |
| Status LED | Output state: 1 LED (yellow) |

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|------------------------|------------------|
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 700 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 15 ms |
| Maximum delay response | 0.6 ms |
| Maximum delay recovery | 4 ms |
| Marking | CE |
| Threaded length | 43 mm |
| Length | 64 mm |
| Net weight | 0.035 kg |

Environment

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|---------------------------------------|---|
| Product certifications | CSA 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 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 | 68.0 g |
| Package 1 Height | 2.0 cm |
| Package 1 width | 7.0 cm |
| Package 1 Length | 10.0 cm |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 35.0 g |
| Package 2 Height | 2.0 cm |
| Package 2 width | 15.0 cm |
| Package 2 Length | 28.0 cm |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 48 |
| Package 3 Weight | 3.89 kg |
| Package 3 Height | 15.0 cm |
| Package 3 width | 30.0 cm |
| Package 3 Length | 40.0 cm |

Offer Sustainability

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|--------------------------|-----------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |

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