

Product data sheet

Characteristics

XS508B1DAL2

Inductive proximity sensors XS, inductive sensor XS5 M8, L51mm, stainless, Sn1.5 mm, 12...48 VDC, cable 2 m



Main

| | |
|------------------------------------|--|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M8 |
| Size | 51 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 1.5 Mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Cable |
| Cable length | 2 M |
| [Us] rated supply voltage | 12...48 V DC |
| Switching capacity in mA | 1.5...100 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 |
| Operating zone | 0...1.2 Mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.11 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...58 V DC |
| Maximum residual current | 0.5 MA open state |

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|------------------------|---------------|
| Maximum voltage drop | <4 V (closed) |
| 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 | 51 Mm |
| Net weight | 0.035 Kg |






Environment

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|---------------------------------------|---|
| Product certifications | UL CCC 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 | 39.0 G |
| Package 1 Height | 4.2 Cm |
| Package 1 width | 9.7 Cm |
| Package 1 Length | 13.2 Cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 44 |
| Package 2 Weight | 2.275 Kg |
| Package 2 Height | 30 Cm |
| Package 2 width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 3 Height | 30 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**