

Product data sheet

Characteristics

XS518B1PAL2

Inductive proximity sensors XS, inductive sensor XS5 M18, L39mm, brass, Sn5mm, 12...24 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 M18 |
| Size | 39 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 5 Mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 2 M |
| [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 | IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

| | |
|--------------------------|------------------------------|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...4 Mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |

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| | |
|------------------------|------------------|
| Switching frequency | <= 2000 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 10 Ms |
| Maximum delay response | 0.15 Ms |
| Maximum delay recovery | 0.35 Ms |
| Marking | CE |
| Threaded length | 28 Mm |
| Length | 39 Mm |
| Net weight | 0.12 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 | 91.0 G |
| Package 1 Height | 4.2 Cm |
| Package 1 width | 9.6 Cm |
| Package 1 Length | 13.2 Cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 44 |
| Package 2 Weight | 4.649 Kg |
| Package 2 Height | 30 Cm |
| Package 2 width | 30 Cm |
| Package 2 Length | 40 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**