

Product data sheet

Characteristics

XXV18B1PAL5

Ultrasonic sensors XX, ultrasonic sensor, M18 metal, Sn 50 mm, PNP NO, cable 5 m

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 106.00 USD



Main

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|-------------------------------|--|
| Range of Product | Telemecanique Ultrasonic sensors XX |
| Sensor Type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XXV |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 0.16 Ft (0.05 m) fixed |
| Material | Metal |
| Type of output signal | Discrete |
| Discrete output function | 1 NO |
| Wiring Technique | 3-wire |
| Discrete output type | PNP |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Cable, 16.40 ft (5 m) |
| [Sd] sensing range | 0.01...0.16 Ft (0.003...0.05 m) |
| Beam angle | 10 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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|---|---|
| Enclosure Material | Brass |
| Front material | Epoxy |
| Thread type | M18 x 1 |
| Supply voltage limits | 10...36 V DC |
| [Sa] assured operating distance | 0.01...0.16 Ft (0.003...0.05 m) |
| Maximum differential travel | 0.12 In (3 mm) |
| Blind zone | 0.00...0.12 In (0...3 mm) |
| Transmission frequency | 360 KHz |
| Repeat accuracy | 1.5 % |
| Deviation angle from 90° of object to be detected | -8...8 ° |
| Minimum size of detected object | Cylinder diameter 2 mm 0.07 ft (0.02 m) |
| Status LED | Output state 1 LED yellow) |

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| Current Consumption | 15 mA |
| Maximum switching current | 200 MA overload and short-circuit protection |
| Maximum voltage drop | 2 V |
| Switching frequency | <= 80 Hz |
| Maximum delay first up | 5 Ms |
| Maximum delay response | 4 Ms |
| Maximum delay recovery | 4 Ms |
| Marking | CE |
| Threaded length | 2.01 In (51 mm) |
| Maximum Height | 0.71 In (18 mm) |
| Maximum Width | 0.71 In (18 mm) |
| Maximum Depth | 2.56 In (65 mm) |
| Net Weight | 0.44 Lb(US) (0.2 kg) |

Environment

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| Standards | IEC 60947-5-2 |
| Product Certifications | CULus |
| Ambient Air Temperature for Operation | 32...140 °F (0...60 °C) |
| Ambient Air Temperature for Storage | -40...176 °F (-40...80 °C) |
| Vibration resistance | +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn in all 3 axes 11 ms IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 KV level 4 IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.14 V/M (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 1 KV level 3 IEC 61000-4-4 |


Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 03389119128124 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 7.04 Oz (199.581 g) |
| Returnability | No |
| Country of origin | US |

Packing Units

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|------------------------|-----------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.76 In (7 cm) |
| Package 1 width | 5.12 In (13 cm) |
| Package 1 Length | 3.54 In (9 cm) |

Offer Sustainability

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|---------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |

Contractual warranty

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