



Main

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|------------------------------------|-----------------------------------------------------|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | Mobile equipment |
| Sensor name | XS6 |
| Sensor design | Cylindrical M12 |
| Size | 54 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 | 0.16 in (4 mm) |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 16.40 ft (5 m) |
| [Us] rated supply voltage | 12..48 V DC reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC overload and short-circuit protection |
| IP degree of protection | IP68 double insulation IEC 60529 IP69K DIN 40050 |

Complementary

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|--------------------------|--------------------------------|
| Thread type | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel Plated Brass |
| Sensing range | > 0.1...0.16 in (> 2.5...4 mm) |
| Operating zone | 0.00...0.13 in (0...3.2 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) |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 2500 Hz |
| Maximum voltage drop | <2 V closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.2 ms |
| Maximum delay recovery | 0.2 ms |
| Marking | CE |
| Threaded length | 1.65 in (42 mm) |

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|------------|------------------------|
| Length | 2.13 in (54 mm) |
| Net Weight | 0.43 lb(US) (0.195 kg) |

Environment

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|---------------------------------------|-----------------------------------------|
| Product certifications | UL E2 CSA |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Vibration resistance | 25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |

Ordering and shipping details

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|-----------------------|----------------------------|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901399988 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.33 lb(US) (0.15 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.77 in (4.5 cm) |
| Package 1 width | 4.57 in (11.6 cm) |
| Package 1 Length | 4.92 in (12.5 cm) |

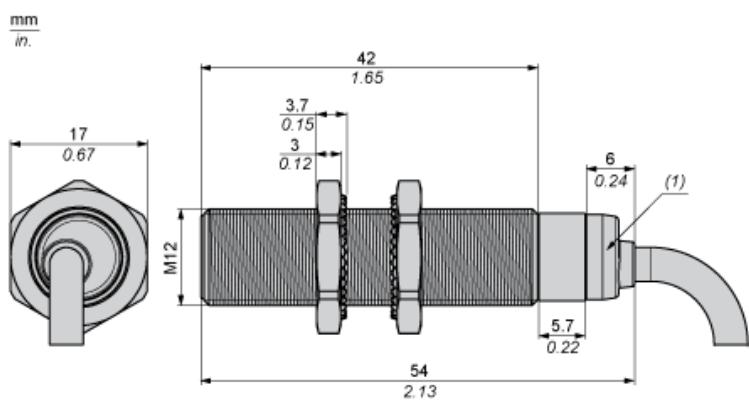
Offer Sustainability

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 | 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

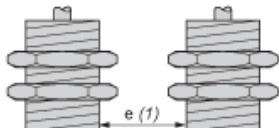
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



Minimum Mounting Distances

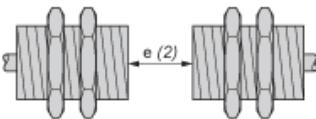
Side by side



$e (1)$ 8 mm/0.31 in.

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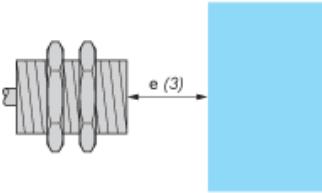
Face to face



$e (2)$ 48 mm/1.89 in.

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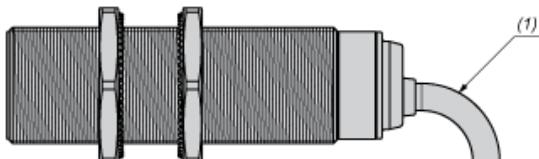
Facing a metal object



$e (3)$ 12 mm/0.47 in.

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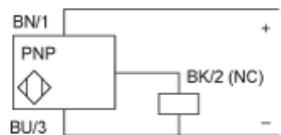
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

PNP



BU : Blue
BN : Brown
BK : Black