



Main

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|------------------------------------|---------------------------------------------------------|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS7 |
| Sensor design | Flat form 15 x 32 x 8 |
| Size | 8 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Plastic |
| Enclosure material | PBT |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection | IP68 conforming to IEC 60529 |

Complementary

| | |
|--------------------------|------------------------------|
| Detection face | Frontal |
| Front material | PBT |
| 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) |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 2000 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 5 ms |
| Maximum delay response | 0.1 ms |
| Maximum delay recovery | 0.1 ms |
| Marking | CE |
| Depth | 8 mm |
| Height | 32 mm |
| Width | 15 mm |
| Net weight | 0.065 kg |

Environment

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|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications | C-Tick 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 |

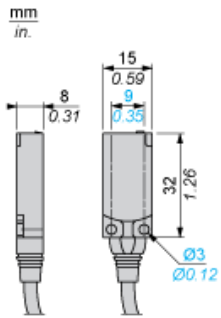
Offer Sustainability

| | |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| 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 |

Contractual warranty

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

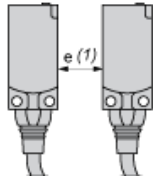
Dimensions



Setting-up

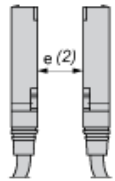
Minimum Mounting Distances (mm)

Side by Side



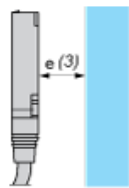
e (1) 15
≥

Face to Face



e (2) 40
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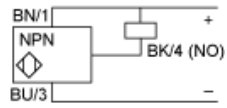
Facing a Metal Object



e (3) 15
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Wiring Schemes

NPN



BU : Blue
BN : Brown
BK : Black