



Main

| | |
|------------------------------------|------------------------------|
| Range of product | OsiSense XS ATEX D |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | ATEX dust |
| Sensor name | XSA |
| Sensor design | Cylindrical M8 |
| Size | 26.5 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Enclosure material | Stainless steel |
| [Sn] nominal sensing distance | 0.06 in (1.5 mm) |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | Namur |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 7...12 V DC |
| Switching capacity in mA | <= 1 mA |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|--------------------------|-----------------------------------|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Operating zone | 0...0.03 in (0...0.8 mm) |
| Cable composition | 2 x 0.11 mm ² |
| Wire insulation material | PvR |
| Residual current | <= 3 mA open state |
| Switching frequency | <= 1.5 kHz |
| Marking | II1 D-Ex ia IIIC T85°C Da IP66/67 |
| Threaded length | 1.04 in (26.5 mm) |
| Height | 0.31 in (8 mm) |
| Length | 1.04 in (26.5 mm) |

Environment

| | |
|---------------------------------------|-----------------------------------|
| standards | EN/IEC 60079-0 EN/IEC 60079-11 |
| directives | 94/9/EC - ATEX directive |
| product certifications | INERIS 04ATEX0016X |
| ambient air temperature for operation | -4...140 °F (-20...60 °C) |
| dust zone | Zone 20 |

Offer Sustainability

| | |
|---------------------------|---------------------------|
| Not Green Premium product | Not Green Premium product |
|---------------------------|---------------------------|

Will not be Compliant

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WARNING: This product can expose you to chemicals including:

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Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and

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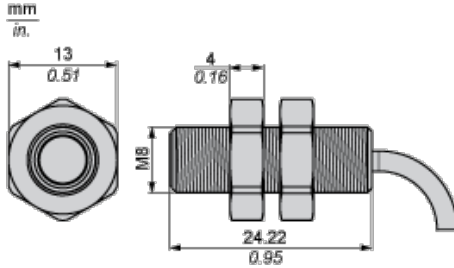
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

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For more information go to www.p65warnings.ca.gov

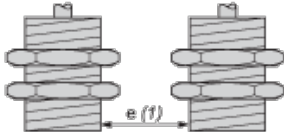
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Dimensions



Minimum Mounting Distances

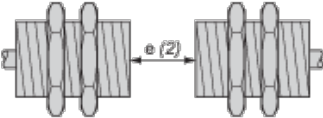
Side by side



e (1) 3 mm/0.12 in.

≥

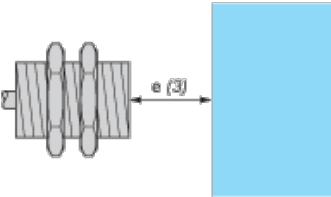
Face to face



e (2) 18 mm/0.71 in.

≥

Facing a metal object



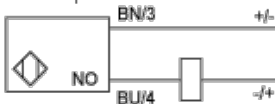
e (3) 4.5 mm/0.18 in.

≥

Wiring Schemes

2-Wire Non-polarised

NO output

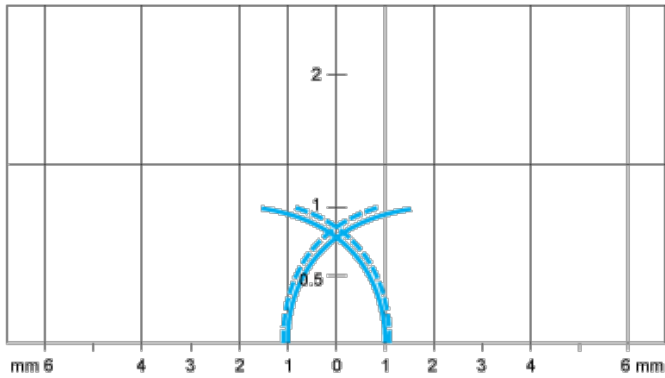


BU : Blue

BN : Brown

Performance Curves

Standard Steel Target (mm) : 5x5x1



- Pick-up points
- - - Drop-out points (object approaching from the side)
- (y) Sensing distance in mm