



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection multi voltage
Device application	2-wire DC short-circuit protection
Sensor name	XS1
Sensor design	Cylindrical M18
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	0.20 in (5 mm)
Discrete output function	1 NO
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	24...210 V DC 24...240 V AC 50/60 Hz
Switching capacity in mA	5...300 mA AC overload and short-circuit protection 5...200 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529

## Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Operating zone	0.00...0.16 in (0...4 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow) Supply on 1 LED green)
Maximum residual current	1.5 mA open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed state)
Maximum delay first up	70 ms
Maximum delay response	2 ms
Maximum delay recovery	4 ms
Marking	CE
Threaded length	2.01 in (51 mm)

Length	2.36 in (60 mm)
Net Weight	0.53 Lb(US) (0.24 kg) 0.26 lb(US) (0.12 kg)

## Environment

Product certifications	CCC CSA UL
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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-7

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901915690
Nbr. of units in pkg.	1
Package weight(Lbs)	0.59 lb(US) (0.27 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.64 in (6.7 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	7.09 oz (201 g)
Package 2 Height	1.77 in (4.5 cm)
Package 2 width	9.84 in (25 cm)
Package 2 Length	7.87 in (20 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	14
Package 3 Weight	6.95 lb(US) (3.152 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

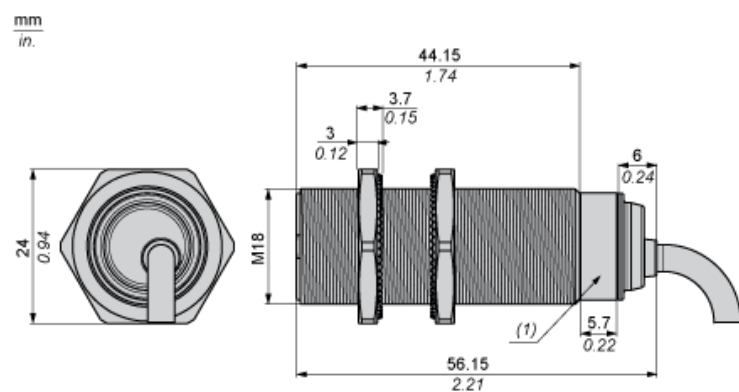
## Contractual warranty

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Warranty	18 months
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Dimensions



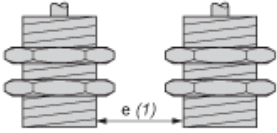
(1) LED

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Minimum Mounting Distances

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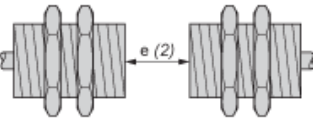
Side by side



e (1) 10 mm/0.39 in.

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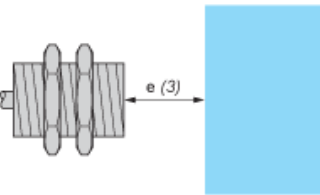
Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object



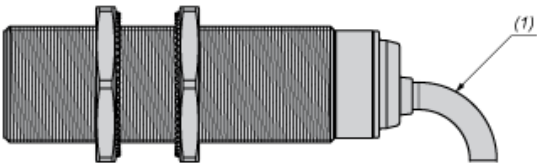
e (3) 15 mm/0.60 in.

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Mounting

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(1) Bending cable: 4 x external cable diameter

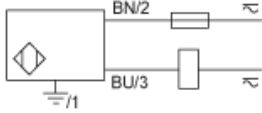
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## Wiring Schemes

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### 2-Wire AC or DC

NO output



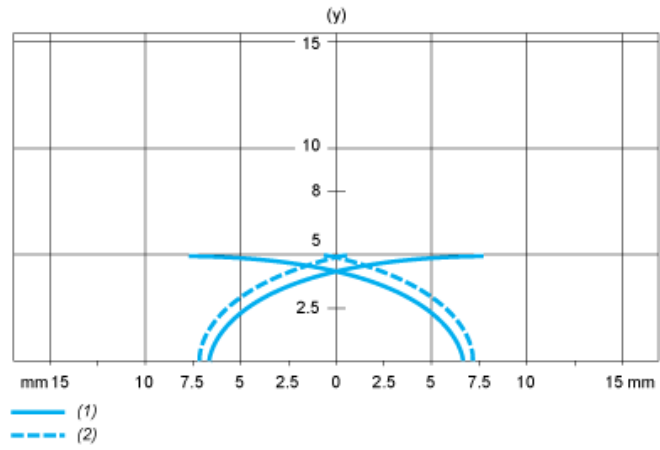
BU : Blue  
BN : Brown

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Performance Curves

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Standard Steel Target : 18x18x1 mm



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