



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M18
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Screw-clamp terminals remote male connector
Cable length	0.15 m
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0...6.4 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Supply voltage limits	10...58 V DC
Switching frequency	<= 2000 Hz
Voltage drop	<= 2 V (closed)
Current consumption	0...10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.15 ms

Delay recovery	<= 0.35 ms
Marking	CE
Threaded length	52 mm
Length	62 mm

Environment

Product certifications	CCC 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 (duration = 11 ms) conforming to IEC 60068-2-27

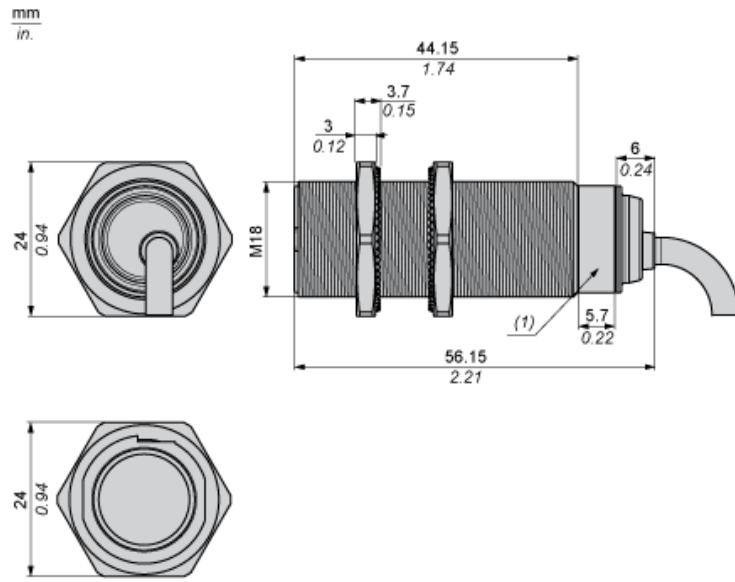
Offer Sustainability

RoHS (date code: YYWW)	Will be compliant on 3Q2013
Product environmental profile	Available End Of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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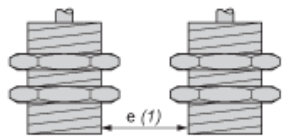
Dimensions



(1) LED

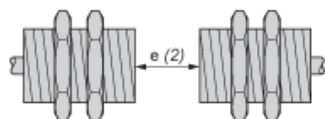
Minimum Mounting Distances

Side by side



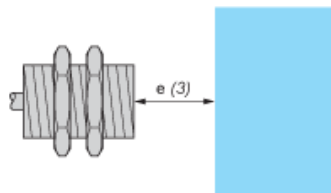
$e(1) \geq 32 \text{ mm}/1.26 \text{ in.}$

Face to face



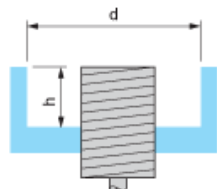
$e(2) \geq 6 \text{ mm}/3.78 \text{ in.}$

Facing a metal object



$e(3) \geq 24 \text{ mm}/0.94 \text{ in.}$

Mounted in a metal support



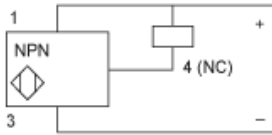
$d \geq 56 \text{ mm}/2.20 \text{ in.}$

$h \geq 16 \text{ mm}/0.63 \text{ in.}$

Wiring Schemes

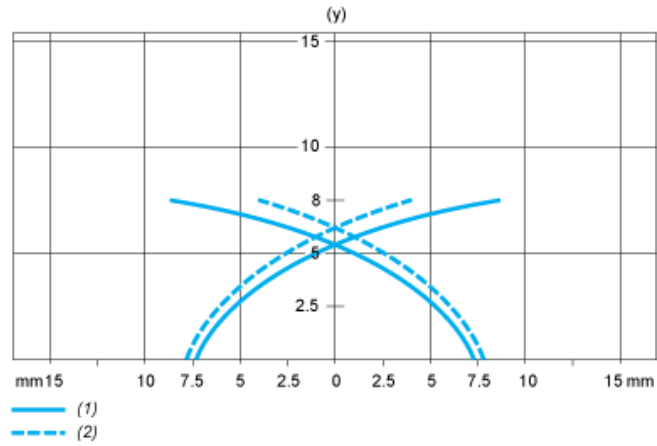
Screw Terminal

The terminal numbering differs according to the version (2-wire DC, 3-wire DC, 2-wire AC).



Performance Curves

Standard Steel Target : 24x24x1 mm



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

Product Life Status : **Commercialised**