XS4P18PA370D

inductive sensor XS4 M18 - L70mm - PPS - Sn8mm - 12..48VDC - M12

Green Premium™ Product

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	70 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 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	M12 male connector, 4 pins
[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	IP67 conforming to IEC 60529

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
Status LED	1 LED (yellow) for output state
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
Height	18 mm
Length	70 mm
Product weight	0.04 kg 0.1 kg

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## 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

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Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0838 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

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Dimensions

(1) LED

XS4P18PA370D
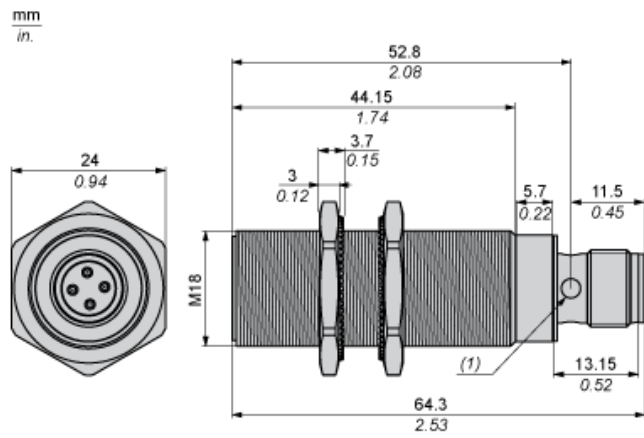
Minimum Mounting Distances

Side by side

e (1) 32 mm/1.26 in.
≥

Face to face
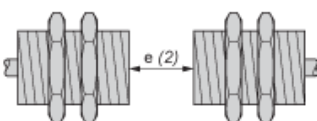
e (2) 96 mm/3.78 in.
≥

Facing a metal object
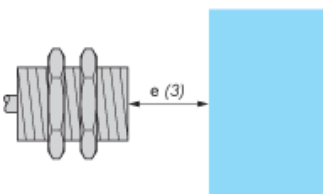
e (3) 24 mm/0.94 in.
≥

Mounted in a metal support
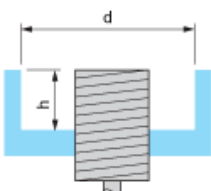
d ≥   56 mm/2.20 in.
h ≥   16 mm/0.63 in.

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Wiring Schemes

M12 connector

PNP

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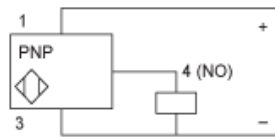
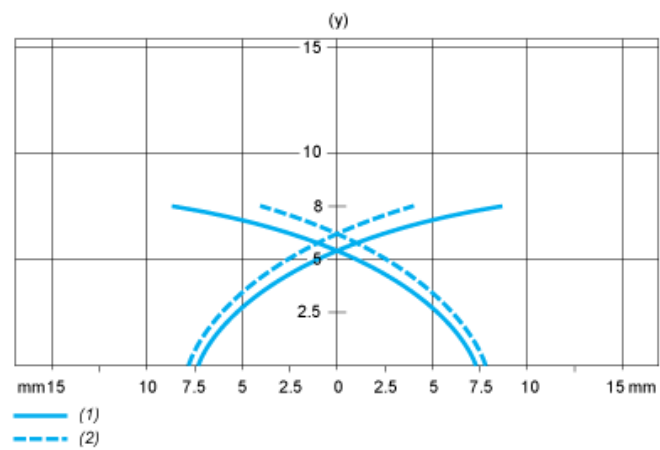## Performance Curves

Standard Steel Target : 24x24x1 mm

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

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