

XS4P30MA230L01G

Inductive proximity sensors XS, inductive sensor XS4 M30, L62mm, PPS, Sn15mm, 24...240VAC/DC, M18 0.15 m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M30
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	Remote male connector M18, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0...12 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.6 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V (closed)
Maximum delay first up	40 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.4 ms
Marking	CE
Threaded length	52 mm
Height	30 mm
Length	62 mm

Environment

Product certifications	CCC[RETURN]UL[RETURN]CSA
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.7 cm
Package 1 Length	13.2 cm
Package 1 Weight	124 g

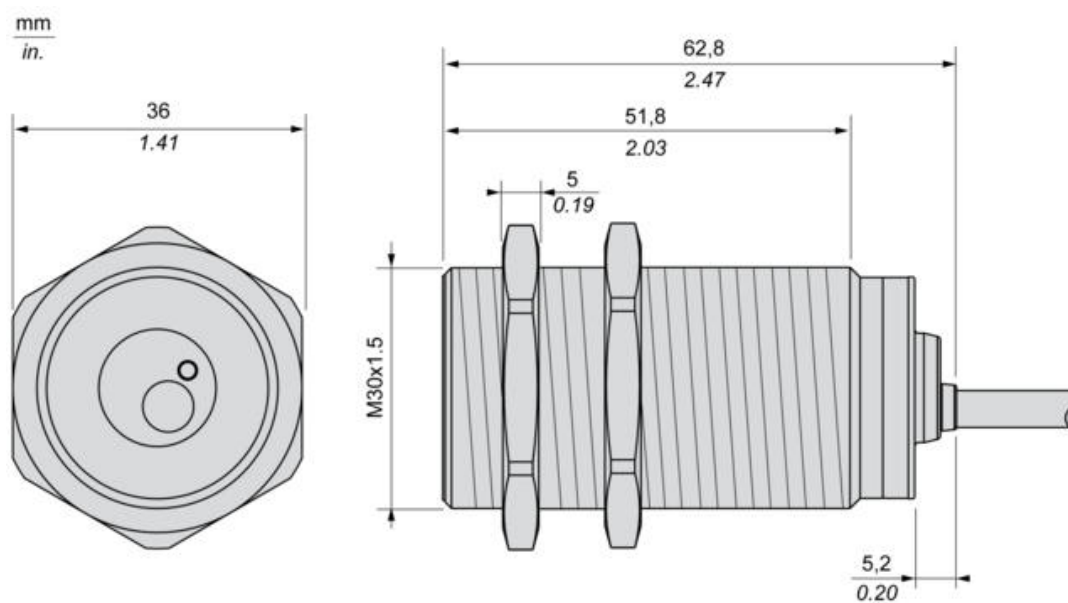
Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	 End of Life Information
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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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Dimensions



Minimum Mounting Distances

Side by side



$e (1) \geq 60 \text{ mm}/2.36 \text{ in.}$

Face to face



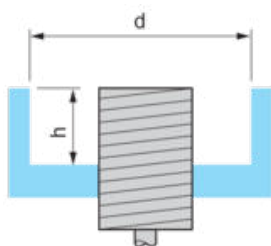
$e (2) \geq 180 \text{ mm}/7.09 \text{ in.}$

Facing a metal object



$e (3) \geq 45 \text{ mm}/1.77 \text{ in.}$

Mounted in a metal support

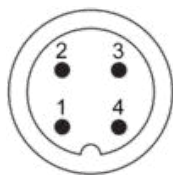


$d \geq 90 \text{ mm}/3.54 \text{ in.}$

$h \geq 30 \text{ mm}/1.18 \text{ in.}$

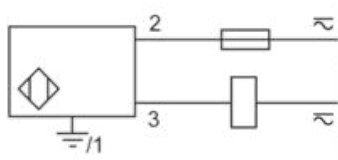
Wiring Schemes

M18



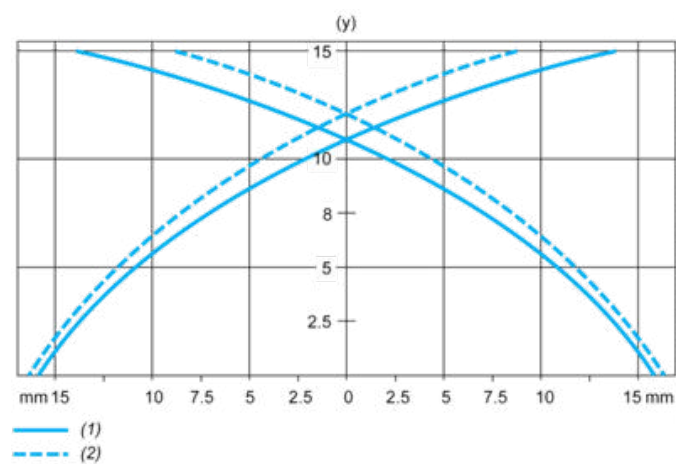
2-Wire AC or DC

NO output



Performance Curves

Standard Steel Target : 45x45x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm