

# Product data sheet

Specifications



Inductive proximity sensors XS,  
inductive sensor XS4 M30, L53mm,  
PBT, Sn15mm, 24...48 VDC, cable 2  
m

XS4P30AB110

## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Electrical circuit type	Analog output
Sensor name	XS4
Sensor design	Cylindrical M30
Size	53 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Analogue
Wiring technique	3-wire
[Sn] nominal sensing distance	15 mm
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...48 V DC
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	PBT
Operating zone	1.5...15 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA

Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	15...58 V DC
Switching frequency	<= 300 Hz
Current consumption	4 mA no-load
Maximum output current drift	10 %
Marking	CE
Threaded length	32 mm
Height	30 mm
Length	53 mm
Net weight	0.1 kg

## Environment

Product certifications	CSA UL CCC
Ambient air temperature for operation	-25...70 °C

## Packing Units

Unit Type of Package 1	Db
Number of Units in Package 1	1
Package 1 Height	4.200 cm
Package 1 Width	12.700 cm
Package 1 Length	13.000 cm
Package 1 Weight	127.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.080 kg

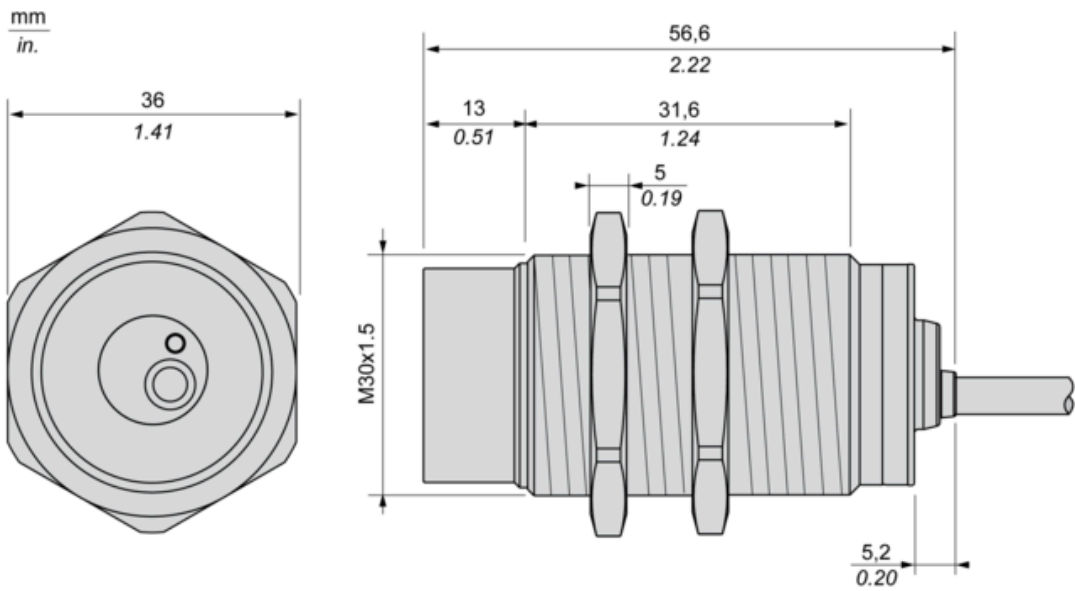
## Offer Sustainability

Sustainable offer status	Green Premium product
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>
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>

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

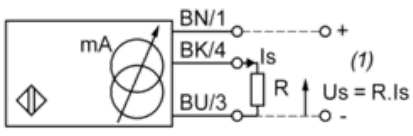


$d \geq 90\text{ mm}/3.54\text{ in.}$

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

Wiring Schemes

3-Wire connection



(1) Voltage output

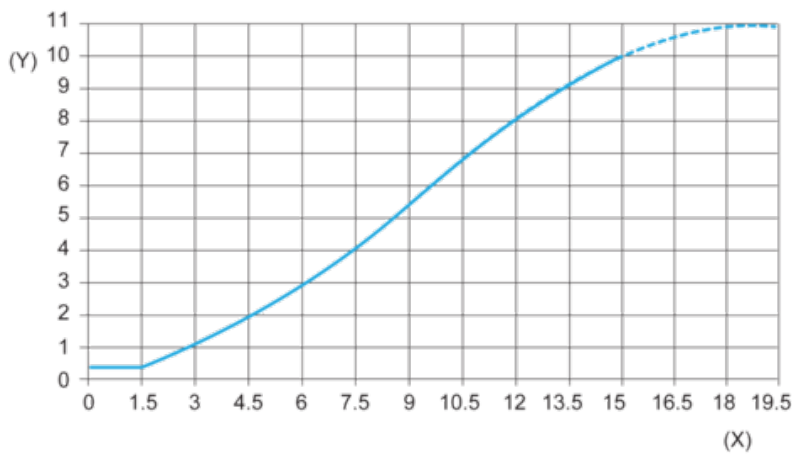
**BN** : Brown

**BK** : Black

**BU** : Blue

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	$R \leq 1500 \Omega$	0...10 V	$R = 1000 \Omega$
48 V	0...10 mA	$R \leq 3300 \Omega$	0...10 V	$R = 1000 \Omega$
Ensure a minimum of 5 V between the + and the sensor output (terminal 4).				

Output Curves



(Y) Is (mA)  
(X) Sensors - object distance (mm)

Recommended replacement(s)