

XS4P30AB110

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



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	0.6 in (15 mm)
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	6.6 ft (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	0.06...0.6 in (1.5...15 mm)
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm ²
Wire insulation material	PVC
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	1.3 in (32 mm)
Height	1.2 in (30 mm)
Length	2.09 in (53 mm)
Net Weight	0.2 lb(US) (0.1 kg)

Environment

Product Certifications	CSA[RETURN]UL[RETURN]CCC
Ambient Air Temperature for Operation	-13.0000000000...158.0000000000 °F (-25...70 °C)


Ordering and shipping details

Category	US10DS222486
Discount Schedule	0DS2
GTIN	3389110342932
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.654 in (4.200 cm)
Package 1 Width	5.0000000000 in (12.700 cm)
Package 1 Length	5.118 in (13.000 cm)
Package 1 Weight	4.480 oz (127.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	6.790 lb(US) (3.080 kg)

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 www.P65Warnings.ca.gov
Circularity Profile	 End of Life Information
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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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

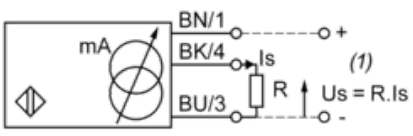


$d \geq 90 \text{ mm}/3.54 \text{ in.}$

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

Wiring Schemes

3-Wire connection



(1) Voltage output

BN : Brown

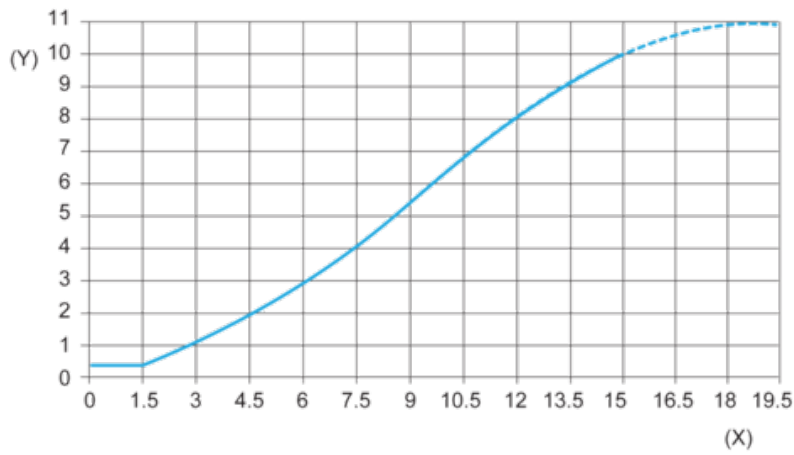
BK : Black

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)