Product data sheet
Characteristics

XS230BLNAM12

inductive sensor XS2 M30, L68mm, brass, Sn15mm, 12..24VDC, M12

Green Premium™

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M30
Size	68 mm
Body type	Fixed
Enclosure Material	Nickel Plated Brass
Type of output signal	Discrete
Wiring Technique	3-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

ISO thread	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Front material	PBT
Operating zone	0.00…0.47 in (0…12 mm)
Differential travel	1...15% of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 300 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.2 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	1.34 in (34 mm)
Length	2.68 in (68 mm)
Product Weight	0.19 lb(US) (0.085 kg)

Environment

Product Certifications	CSA UL
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22414-SENSORS, INDUCTIVE, BASIC
Discount Schedule	DS2
GTIN	3389119003377
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.70 in (4.32 cm)
Package 1 Width	3.80 in (9.65 cm)
Package 1 Length	2.60 in (6.6 cm)
Package 1 Weight	0.31 lb(US) (0.14 kg)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	13.42 lb(US) (6.087 kg)

Offer Sustainability

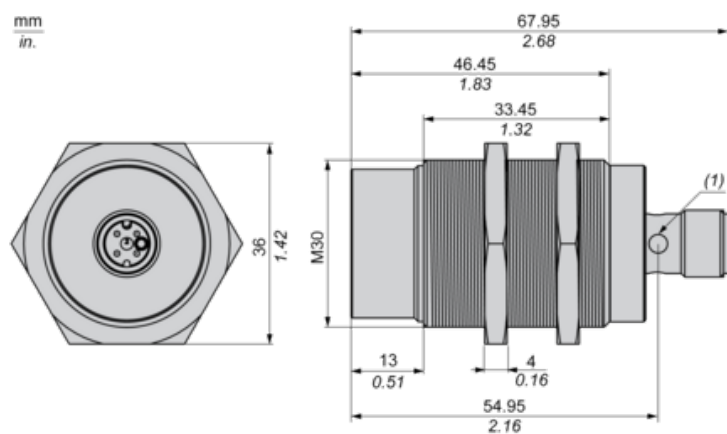|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

Dimensions

(1) LED

Minimum Mounting Distances

Side by side

e (1) ≥ 60 mm/2.36 in.

Face to face
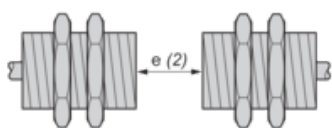
e (2) ≥ 180 mm/7.09 in.

Facing a metal object
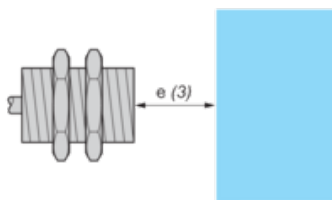
e (3) ≥ 45 mm/1.77 in.

Mounted in a metal support

d ≥ 90 mm/3.54 in.
h ≥ 30 mm/1.18 in.

Life Is On | Schneider Electric
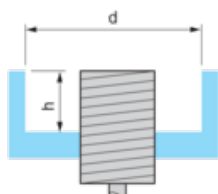
Wiring Schemes

M12 connector
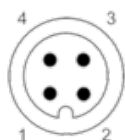
NPN
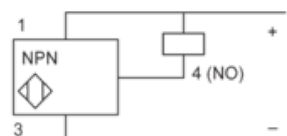
1 : (+)

2 : Not connected

3 : (-)

4 : NO Output

XS230BLNAM12

Performance Curves

Standard Steel Target : 45x45x1 mm
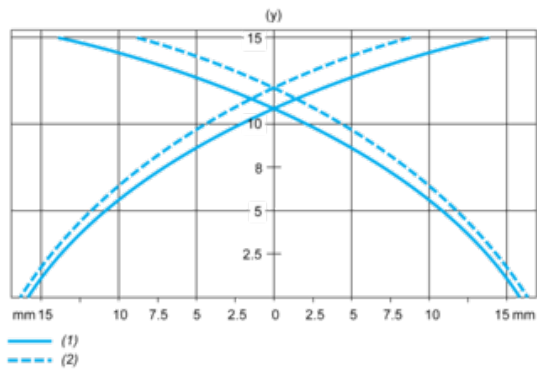
(1) Pick-up points

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

(y) Sensing distance in mm