

XS130B3PCM12

inductive sensor XS1 M30 - PNP NO&NC -
Flush - Sn15mm - 12..24VDC - M12



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Light hoisting Mobile equipment
Sensor name	XS1
Sensor design	Cylindrical M30
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
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	IP69K DIN 40050 IP65 IEC 60529 IP67

Complementary

Safety level	SIL 2 EN/IEC 61508 PL = d EN/ISO 13849-1 SILCL 2 IEC 62061
Safety reliability data	MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller
Service life	20 year(s)
Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.00...0.47 in (0...12 mm)
Differential travel	3...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	9...36 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms

Marking	CE
Threaded length	1.30 in (33 mm)
Maximum Height	1.18 in (30 mm)
Length	2.13 in (54 mm)
Net Weight	0.22 lb(US) (0.1 kg)

Environment

Standards	IEC 62061 EN/ISO 13849-1
Product certifications	CSA E2 UL TÜV
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	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901004257
Nbr. of units in pkg.	1
Package weight(Lbs)	0.29 lb(US) (0.13 kg)
Returnability	No
Country of origin	FR

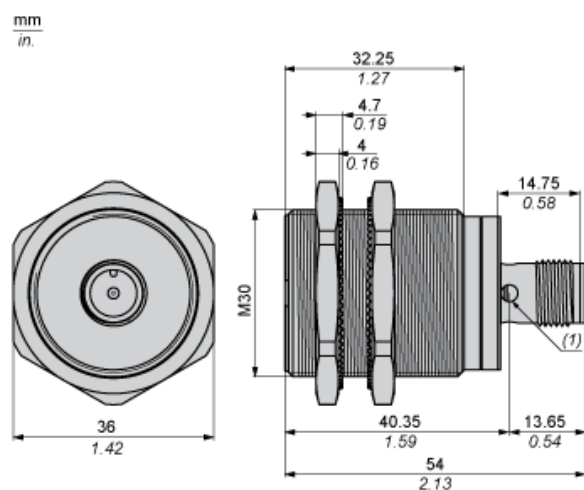
Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.57 in (4 cm)
Package 1 width	2.56 in (6.5 cm)
Package 1 Length	3.74 in (9.5 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	4.55 oz (129 g)
Package 2 Height	1.18 in (3 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	44
Package 3 Weight	13.52 lb(US) (6.131 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

Dimensions



(1) LED

Minimum Mounting Distances

Side by side



e (1) 30 mm/1.18 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object

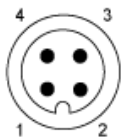


e (3) 45 mm/1.77 in.

≥

Wiring Schemes

M12 connector

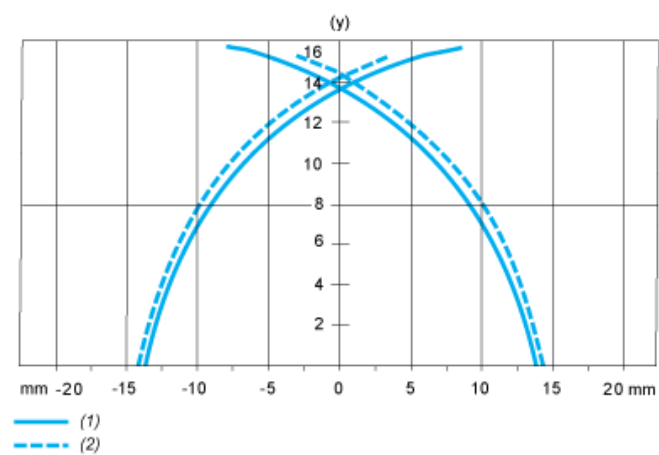


PNP 4-wire



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