### XS1N30PC410D

inductive sensor XS1 M30 - L53mm - brass -Sn10mm - 12..24VDC - M12





#### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	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	0.39 in (10 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	1224 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 conforming to EN/IEC 61508 PL = d conforming to EN/ISO 13849-1 SILCL 2 conforming to 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	0.000.31 in (08 mm)
Differential travel	115% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	936 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	010 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)
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	UL E2 CSA TÜV	
Ambient air temperature for operation	-13158 °F (-2570 °C)	
Ambient air temperature for storage	-40185 °F (-4085 °C)	
Vibration resistance	25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6	
Shock resistance	50 gn 11 ms IEC 60068-2-27	

#### Ordering and shipping details

ordering arra ornpping dotains	
Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901081807
Nbr. of units in pkg.	1
Package weight(Lbs)	0.28 lb(US) (0.13 kg)
Returnability	No
Country of origin	FR

### Packing Units

3	
Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	3.31 in (8.4 cm)
Package 1 Length	4.88 in (12.4 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	4.48 oz (127 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	S01
Number of Units in Package 3	22
Package 3 Weight	6.62 lb(US) (3.003 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

### 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	

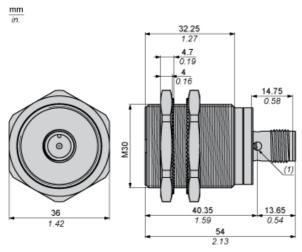
RoHS exemption information	€Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End Of Life Information	
Contractual warranty		

18 months

Warranty



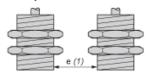
#### **Dimensions**



(1) LED

#### Minimum Mounting Distances

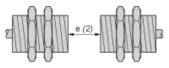
#### Side by side



e (1) 20 mm/0.79 in

≥

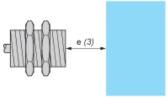
Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object



e (3) 30 mm/1.18 in.

≥

## Product data sheet Connections and Schema

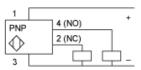
# XS1N30PC410D

### Wiring Schemes

#### M12 connector



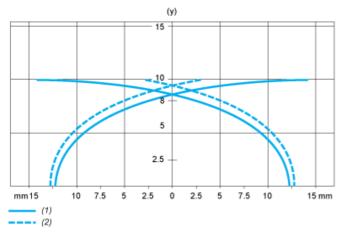
PNP 4-wire



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#### Performance Curves

#### Standard Steel Target: 30x30x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm