

# XS218B4PAM12

inductive sensor XS2 M18 - L51mm - brass -  
Sn16mm - 12..24VDC - M12



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS2
Sensor design	Cylindrical M18
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.63 in (16 mm)
Discrete output function	1 NO
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	IP65 IEC 60529 IP67 DIN 40050 IP69K

## Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 0.59...1.57 in (> 15...40 mm)
Operating zone	0.00...0.50 in (0...12.8 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	0.83 in (21 mm)
Length	2.01 in (51 mm)
Net Weight	0.11 lb(US) (0.052 kg)

## Environment

Product certifications	CSA E2 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	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901566229
Nbr. of units in pkg.	1
Package weight(Lbs)	0.12 lb(US) (0.05 kg)
Returnability	Yes
Country of origin	ID

## Packing Units

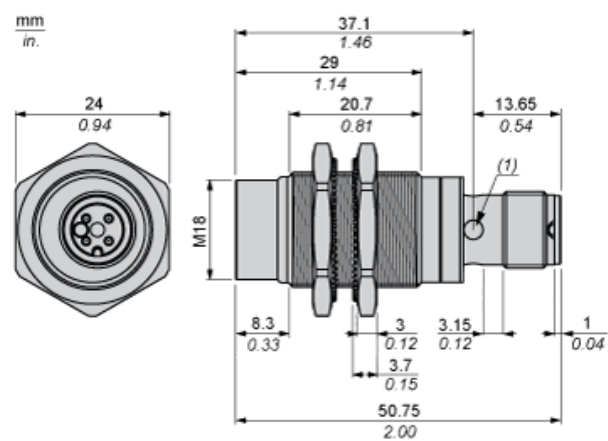
Package 1 Height	0.680 dm
Package 1 width	0.670 dm
Package 1 Length	0.960 dm

## Offer Sustainability

Sustainable offer status	Green Premium product
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>

## Dimensions

### With M12 Connector

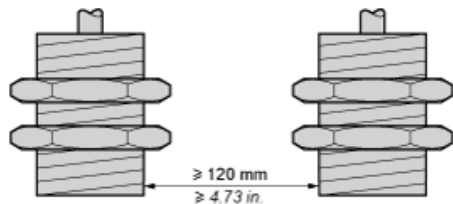


(1) Yellow LED (Output state indication)

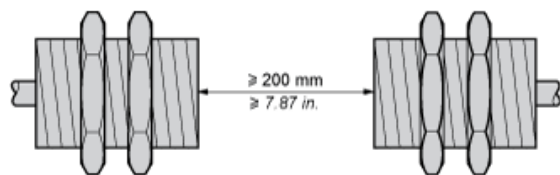
## Mounting and Clearance

### Minimum Mounting Distances

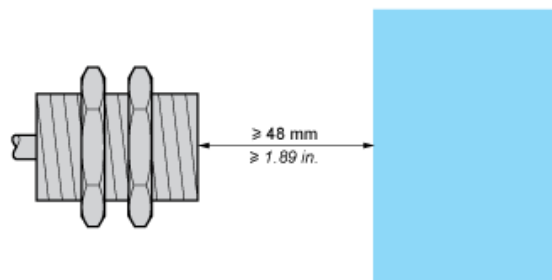
#### Side by Side



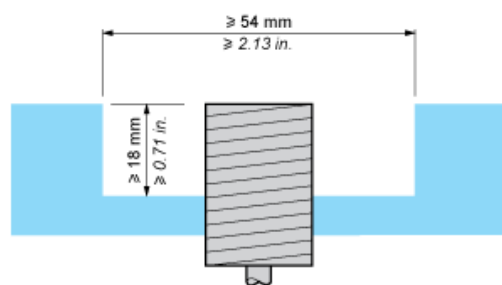
#### Face to Face



#### Facing a Metal Object



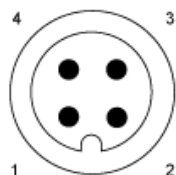
#### Mounted in a Metal Support



## Connection and Schema

### Wiring Schemes

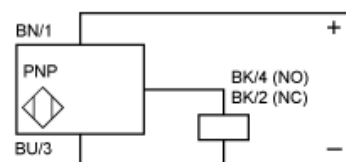
M12 connector



## Connection and Schema

### Wiring Schemes

PNP 3-wire



BN : Brown

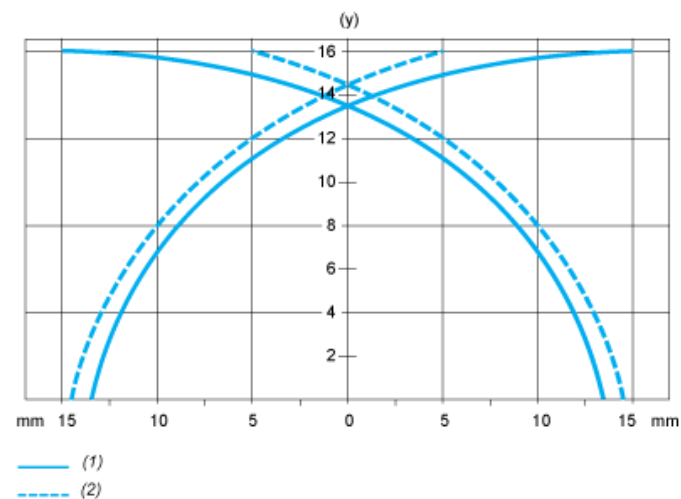
BK : Black

BU : Blue

## Performance Curves

Standard Steel Target: 24 x 24 x 1 mm

Operating zone: 0...12.8 mm



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