

# XS7C2A1PBM12

inductive sensor XS7 40x40x70 - PBT - Sn15  
mm - 12..24VDC - M12



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS7
Sensor design	Form 40 x 40 x 70
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	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 with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

## Complementary

Detection face	5 positions turret head
Front material	PBT
Operating zone	0...12 mm
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Status LED	Supply on: 1 LED (green) Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 300 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...15 mA no-load
Maximum delay first up	7.5 ms
Maximum delay response	1.2 ms
Maximum delay recovery	1.8 ms
Marking	CE
Height	40 mm
Length	40 mm
Width	70 mm
Net weight	0.149 kg





## Environment

Product certifications	CCC E2 UL CSA
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to EN 60068-2-27

## Packing Units

Package 1 Weight	0.141 kg
Package 1 Height	0.450 dm
Package 1 width	0.430 dm
Package 1 Length	0.900 dm

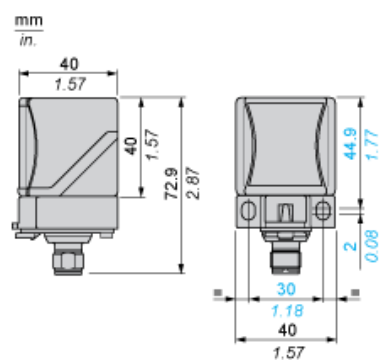
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
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>

## Contractual warranty

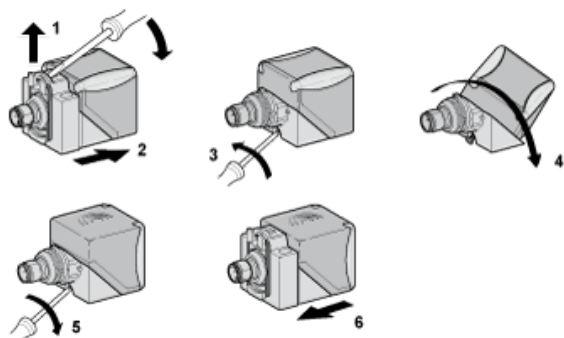
Warranty	18 months
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## Dimensions



## Mounting

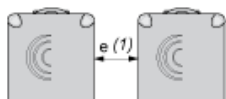
### Head Positions



### Setting-up Precautions

#### Minimum Mounting Distances (mm)

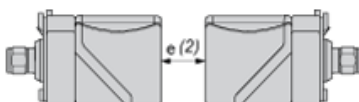
Side by Side



$e(1)$  60

$\geq$

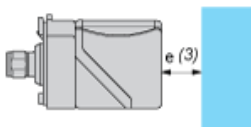
Face to Face



$e(2)$  120

$\geq$

Facing a Metal Object

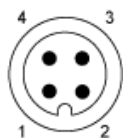


$e(3)$  45

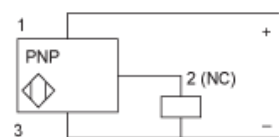
$\geq$

## Wiring Schemes

M12 connector



PNP



- 1 : (+)
- 2 : NC Output
- 3 : (-)
- 4 : Not connected