

# Product data sheet

## Characteristics

# XS618B1PAL01C

inductive sensor XS6 M18 - L62mm - brass -  
Sn8mm - 12..48VDC - DIN 0.15m



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M18
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Remote male connector DIN 43650A
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12..48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529 IP69K conforming to DIN 40050

### Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Sensing range	> 0.16...0.31 in (> 4...8 mm)
Operating zone	0.00...0.25 in (0...6.4 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 1000 Hz DC
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	2.05 in (52 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Length	2.44 in (62 mm)
Net Weight	0.33 lb(US) (0.15 kg)

## Environment

Product certifications	E2
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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119026888
Nbr. of units in pkg.	1
Package weight(Lbs)	0.23 lb(US) (0.10 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.46 in (3.7 cm)
Package 1 width	3.50 in (8.9 cm)
Package 1 Length	4.92 in (12.5 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	3.70 oz (105 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	22
Package 3 Weight	4.83 lb(US) (2.192 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)

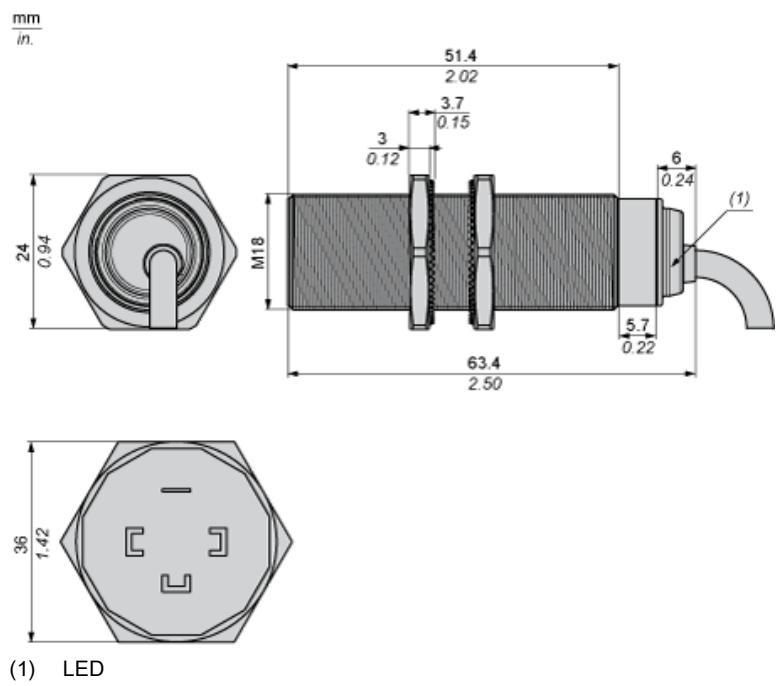
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

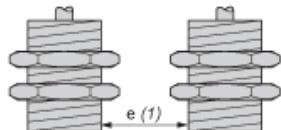


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### Minimum Mounting Distances

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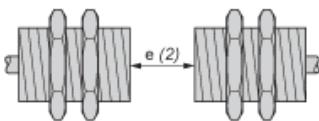
Side by side



e (1) 16 mm/0.63 in.

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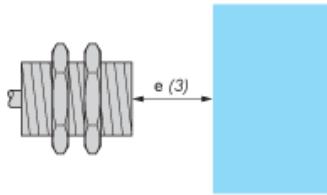
Face to face



e (2) 100 mm/3.94 in.

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Facing a metal object



e (3) 25 mm/0.98 in

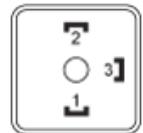
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### Wiring Schemes

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EN 175301-803-A



PNP

