

# Product data sheet

Specifications



Inductive proximity sensors XS,  
inductive sensor XS7 26x26x13,  
PBT, Sn10mm, 12...24 VDC, cable  
2 m

XS7E1A1PAL2

## Main

Range Of Product	Telemecanique Inductive proximity sensors XS
Series Name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor Name	XS7
Sensor Design	Flat form 26 x 26 x 13
Size	13 mm
Body Type	Fixed
Detector Flush Mounting Acceptance	Flush mountable
Material	Plastic
Enclosure Material	PBT
Type Of Output Signal	Discrete
Wiring Technique	3-wire
Discrete Output Function	1 NO
Output Circuit Type	DC
Discrete Output Type	PNP
Electrical Connection	Cable
Cable Length	2 m
[Us] Rated Supply Voltage	12...24 V DC with reverse polarity protection
Switching Capacity In Ma	<= 100 mA DC with overload and short-circuit protection
Ip Degree Of Protection	IP68 double insulation conforming to IEC 60529

## Complementary

Detection Face	Frontal
Front Material	PBT
Operating Zone	0...8 mm
Differential Travel	1...15% of Sr
Cable Composition	3 x 0.34 mm²
Wire Insulation Material	PVC
Status Led	Output state: 1 LED (yellow)
Supply Voltage Limits	10...36 V DC

Disclaimer: 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

Switching Frequency	<= 1000 Hz
Maximum Voltage Drop	<2 V (closed)
Current Consumption	<= 10 mA no-load
Maximum Delay First Up	10 ms
Maximum Delay Response	2 ms
Maximum Delay Recovery	6 ms
Marking	CE
Depth	13 mm
Height	26 mm
Width	26 mm
Net Weight	0.075 kg

## Environment

Product Certifications	CSA UL Ecolab C-Tick
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 IEC 60068-2-27

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.5 cm
Package 1 Length	13.0 cm
Package 1 Weight	90.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	16
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.016 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	256
Package 3 Height	77.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	39.588 kg

## Contractual warranty

Warranty

18 months

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance

✓ Mercury Free

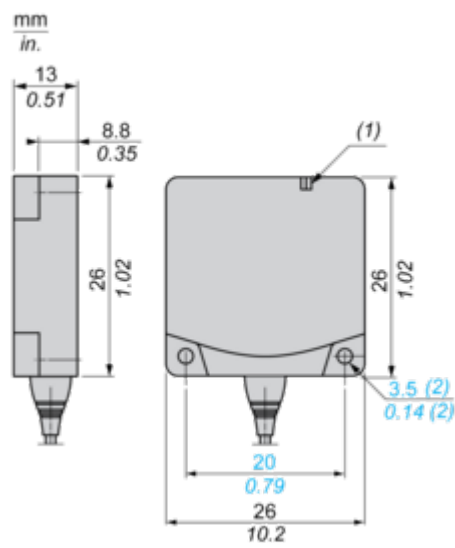
✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Circularity Profile	No need of specific recycling operations
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 Diisodecyl 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>

Dimensions Drawings

Dimensions



- (1) LED
- (2) For CHC type screws

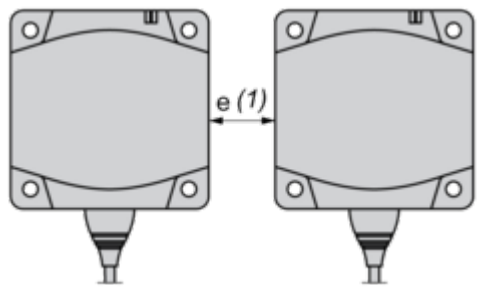
Mounting and Clearance

Setting-up

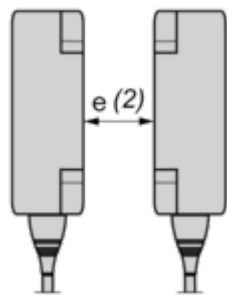
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Minimum Mounting Distances (mm)

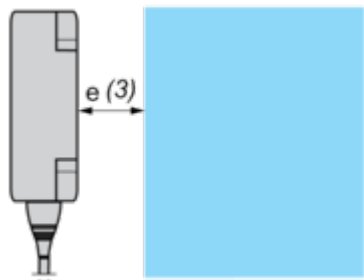
Side by Side



$e (1) \geq 30$   
Face to Face



$e (2) \geq 72$   
Facing a Metal Object



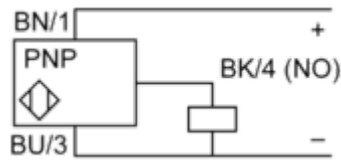
$e (3) \geq 30$

Connections and Schema

Wiring Schemes

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PNP



**BU** : Blue  
**BN** : Brown  
**BK** : Black