

### Product data sheet Characteristics

## XS7J1A1NAL2

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - cable 2m





#### 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 8 x 22 x 8	
Size	8 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	NPN	
Electrical connection	Cable	
Cable length	2 m	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection	
IP degree of protection	IP67 conforming to IEC 60529	

#### Complementary

Complementary	
Detection face	Frontal
Front material	РВТ
Operating zone	02 mm
Differential travel	115% of Sr
Cable composition	3 x 0.11 mm <sup>2</sup>
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Depth	8 mm
Height	22 mm
Width	8 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.

#### Environment

Product certifications	UL[RETURN]CSA[RETURN]C-Tick
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

#### Packing Units

r doming office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	13.2 cm
Package 1 Length	4.2 cm
Package 1 Weight	54.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.319 kg
Unit Type of Package 3	P06
Number of Units in Package 3	256
Package 3 Height	105 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	22.324 kg

### Offer Sustainability

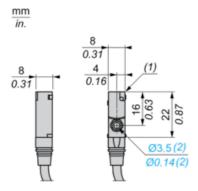
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Circularity Profile	No need of specific recycling operations

#### Contractual warranty

Warranty	18 months

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#### **Dimensions**



(1) LED

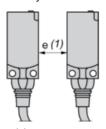
(2) For CHC type screws

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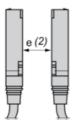
#### Setting-up

#### Minimum Mounting Distances (mm)

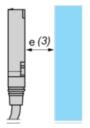
Side by Side



e (1) ≥ 7.5 Face to Face



e (2) ≥ 20 Facing a Metal Object



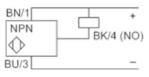
e (3) ≥ 7.5

## Product data sheet Connections and Schema

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#### Wiring Schemes

#### NPN



BU : Blue BN : Brown BK : Black