

## Product data sheet Characteristics

## XS7C1A1NBL2

inductive sensor XS7 40x40x15 - PBT - Sn15mm - 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 40 x 40 x 15
Size	15 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 NC
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	IP68 double insulation conforming to IEC 60529

#### Complementary

Complementary		
Detection face	Frontal	
Front material	PBT	
Operating zone	012 mm	
Differential travel	115% of Sr	
Cable composition	3 x 0.34 mm²	
Wire insulation material	PVC	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1036 V DC	
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	5 ms	
Marking	CE	
Depth	15 mm	
Height	40 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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in 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.

Width	40 mm
Net weight	0.095 kg

#### Environment

Product certifications	CSA[RETURN]C-Tick[RETURN]UL[RETURN]Ecolab
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

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	13.2 cm
Package 1 Weight	125.0 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	2.455 kg

#### Offer Sustainability

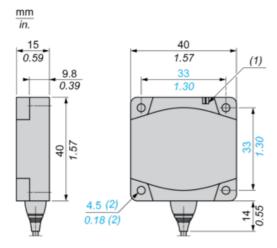
Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₫Yes	
Circularity Profile	No need of specific recycling operations	

### Contractual warranty

Warranty 1	8 months
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# XS7C1A1NBL2

#### **Dimensions**



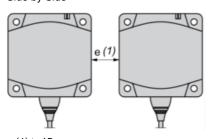
- (1) LED
- (2) For CHC type screws

## XS7C1A1NBL2

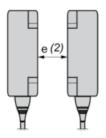
#### Setting-up

#### Minimum Mounting Distances (mm)

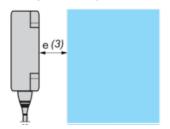
Side by Side



e (1) ≥ 45 Face to Face



e (2) ≥ 110 Facing a Metal Object



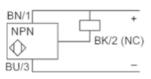
e (3) ≥ 45

## Product data sheet Connections and Schema

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### Wiring Schemes

#### NPN



BU : Blue BN : Brown BK : Black