

# Product data sheet

## Characteristics

# XS7C1A1DBL2

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	2-wire
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	1.5...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...12 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	5 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm
Net weight	0.09 kg



## Environment

Product certifications	Ecolab[RETURN]CSA[RETURN]C-Tick[RETURN]UL
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	4.3 cm
Package 1 Width	9.7 cm
Package 1 Length	13.4 cm
Package 1 Weight	120.0 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	2.412 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	39.22 kg

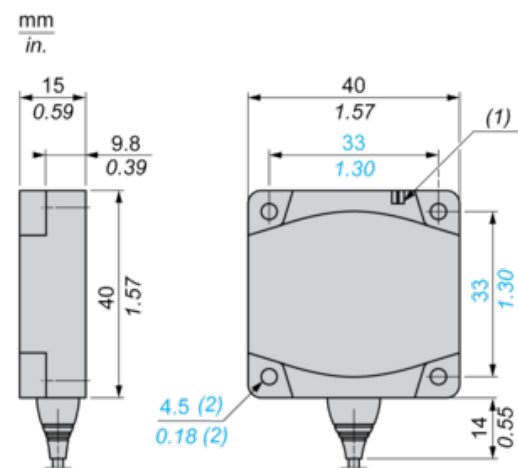
## Offer Sustainability

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)
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
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

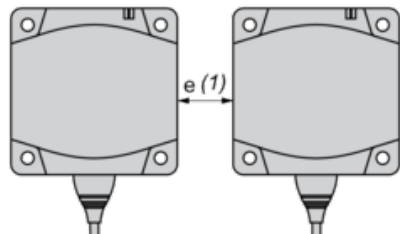
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## Setting-up

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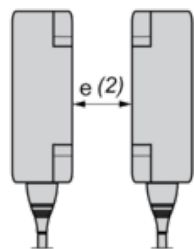
### Minimum Mounting Distances (mm)

Side by Side



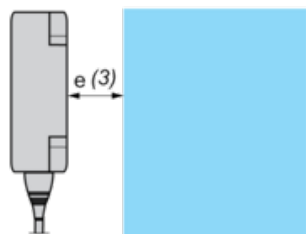
$$e (1) \geq 45$$

Face to Face



$$e (2) \geq 110$$

Facing a Metal Object



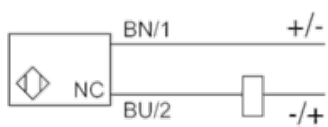
$$e (3) \geq 45$$

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## Wiring Schemes

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### 2-Wire NC



BU : Blue

BN : Brown