

# Product data sheet Characteristics

# XS8D1A1MBL2

inductive sensor XS8 80x80x26 - PBT - Sn60mm - 24..240VAC/DC - cable 2m





#### Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS8
Sensor design	Flat form 80 x 80 x 26
Size	26 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	40 Mm flush mountable 60 mm non flush mountable
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24240 V AC/DC 50/60 Hz
Switching capacity in mA	5200 mA DC 5300 mA AC
IP degree of protection	IP68 double insulation conforming to IEC 60529

#### Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	2040 Mm flush mountable 2060 mm non flush mountable
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PVC
Supply voltage limits	20264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 150 Hz
Maximum voltage drop	<5.5 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.3 ms
Maximum delay recovery	6 ms
Marking	CE
Depth	26 mm
Height	80 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	80 mm
Net weight	0.39 kg

### Environment

Product certifications	CCC[RETURN]Ecolab[RETURN]CSA[RETURN]UL	
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	6.700 cm
Package 1 Width	9.700 cm
Package 1 Length	13.200 cm
Package 1 Weight	429.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.345 kg

## Offer Sustainability

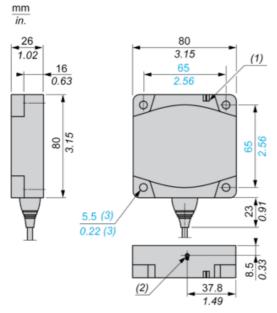
Sustainable offer status	Green Premium product
REACh Regulation	<sup>™</sup> REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Circularity Profile	No need of specific recycling operations

## Contractual warranty

Warranty 1	8 months
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# XS8D1A1MBL2

#### **Dimensions**



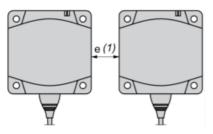
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

# XS8D1A1MBL2

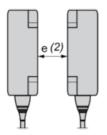
#### Setting-up

#### Minimum Mounting Distances (mm)

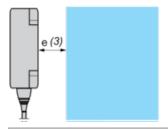
Side by Side



Face to Face



Facing a Metal Object



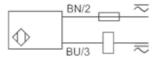
	e (1)	e (2)	e (3)	
Flush mounted	200	400	40	
Not flush mounted	600	not recommended		

# Product data sheet Connections and Schema

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## Wiring Schemes

## 2-Wire NC Output



BU : Blue BN : Brown