

Product data sheet Characteristics

XS7J1A1PBL01M8

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - M8 0.15m





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 NC	
Output circuit type	DC	
Discrete output type	PNP	
Electrical connection	Remote male connector M8, 3 pins	
Cable length	0.15 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

Detection face	Frontal
Front material	PBT
Operating zone	02 mm
Differential travel	115% of Sr
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
Net weight	0.04 kg

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	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

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	6.6 cm
Package 1 Weight	27.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	909.0 g

Offer Sustainability

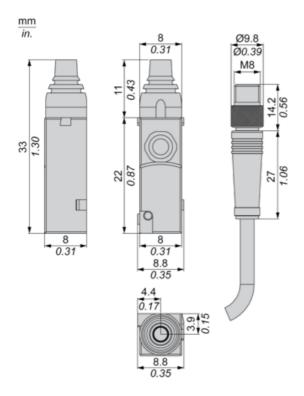
Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	€Yes	
Circularity Profile	No need of specific recycling operations	

Contractual warranty

Warranty	18 months

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Dimensions

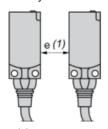


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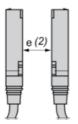
Setting-up

Minimum Mounting Distances (mm)

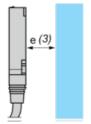
Side by Side



e (1) ≥ 7.5 Face to Face



e (2) ≥ 20 Facing a Metal Object



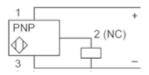
e (3) ≥ 7.5

Product data sheet Connections and Schema

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Wiring Schemes

PNP



M8

