

Product data sheet Characteristics

XS7D1A3CAM12DIN

inductive sensor XS7 80x80x26 - PBT - Sn50mm - 10..48VDC - M12





Main

Range of product	Telemecanique Inductive proximity sensors XS	
Series name	Application	
Sensor type	Inductive proximity sensor	
Device application	-	
Sensor name	XS7	
Sensor design	Flat form 80 x 80 x 40	
Size	40 mm	
Body type	Fixed clippable onto DIN rail	
Detector flush mounting acceptance	Flush mountable	
Material	Plastic	
Enclosure material	PBT	
Type of output signal	Discrete	
Wiring technique	2-wire	
[Sn] nominal sensing distance	50 Mm flush mountable 50 mm non flush mountable	
Discrete output function	1 NO	
Output circuit type	DC	
Electrical connection	Male connector M12, 4 pins	
[Us] rated supply voltage	1048 V DC with reverse polarity protection	
Switching capacity in mA	1.5300 mA with overload and short-circuit protection	
IP degree of protection	IP67 double insulation conforming to IEC 60529	

Complementary

Complementary			
Detection face	Frontal		
Front material	PBT		
Operating zone	040 mm		
Differential travel	115% of Sr		
Repeat accuracy	3% of Sr		
Status LED	Output state: 1 LED (yellow)		
Supply voltage limits	1058 V DC		
Maximum residual current	0.5 mA open state		
Switching frequency	<= 100 Hz		
Maximum voltage drop	<4.5 V (closed)		
Maximum delay first up	10 ms		
Maximum delay response	2 ms		
Maximum delay recovery	5 ms		
Marking	CE		
Depth	40 mm		
Height	80 mm		
Width	80 mm		
Net weight	0.374 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

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	4.3 cm
Package 1 Width	9.6 cm
Package 1 Length	13.2 cm
Package 1 Weight	345.0 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	8.045 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	

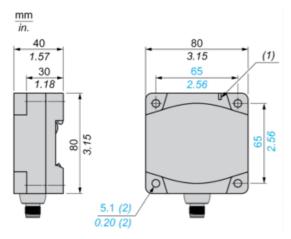
Contractual warranty

A	40
Warrantv	18 months

Product data sheet Dimensions Drawings

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Dimensions



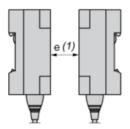
- (1) Output LED
- (2) For CHC type screws

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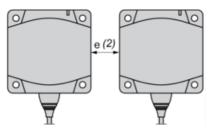
Setting-up

Minimum Mounting Distances (mm)

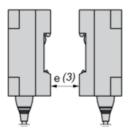
Face to Face



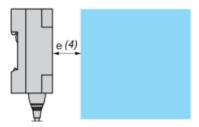
Side by Side



Back to back



Facing a Metal Object

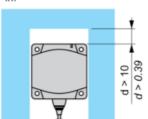


	e (1)	e (2)	e (3)	e (4)
Flush mounted	450	140	90	150
Not flush mounted	450	180	180	150

Flush Conditions

In A37 Steel

 $\frac{\text{mm}}{\text{in.}}$

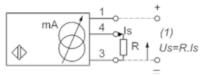


Product data sheet Connections and Schema

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Wiring Schemes

3-Wire Connection



(1) Voltage output

Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	010 mA	R ≤ 1400 Ω	010 V	R = 1000 Ω

M8

