

# Product data sheet

## Characteristics

# XS7D1A1DAM12

inductive sensor XS7 80x80x26 - PBT -  
Sn40mm - 12..24VDC - M12



## 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 80 x 80 x 26
Size	26 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 NO
Output circuit type	DC
Electrical connection	Male connector M12, 4 pins
[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	IP67 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...32 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 100 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	10 ms
Maximum delay recovery	10 ms
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm



## Environment

Product certifications	UL[RETURN]Ecolab[RETURN]C-Tick[RETURN]CSA
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	4.2 cm
Package 1 Width	9.5 cm
Package 1 Length	13.2 cm
Package 1 Weight	316.0 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	7.427 kg

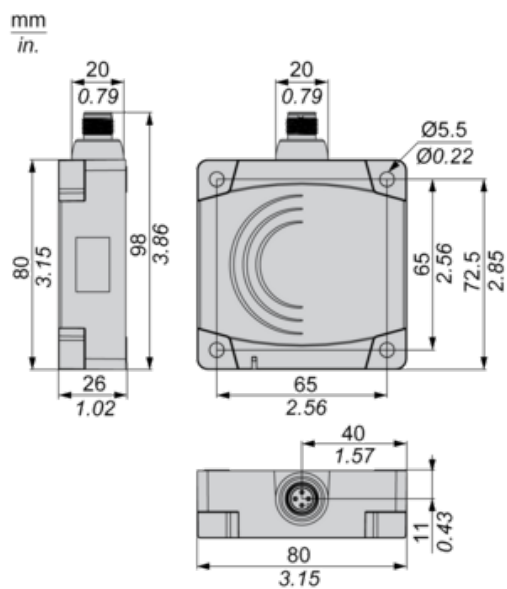
## Offer Sustainability

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



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## Setting-up

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### Minimum Mounting Distances (mm)

Side by Side



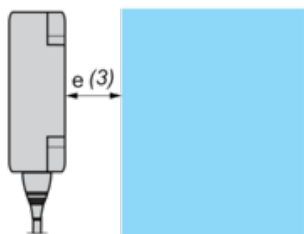
$$e (1) \geq 120$$

Face to Face



$$e (2) \geq 300$$

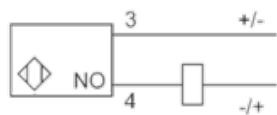
Facing a Metal Object



$$e (3) \geq 120$$

## Wiring Schemes

### 2-Wire NO



M12

