

## Product data sheet Characteristics

#### XS8C2A1DBM12

Inductive proximity sensors XS, inductive sensor XS8 40x40x70, PBT, Sn20 mm, 12...48 VDC, M12

Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.comYou can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en

EAN Code: 3389119058049



#### 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	Form 40 x 40 x 70
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	20 mm
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	1248 V DC with reverse polarity protection
Switching capacity in mA	1.5100 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

#### Complementary

Detection face	5 positions turret head	
Front material	PBT	
Operating zone	016 mm	
Differential travel	315% of Sr	
Repeat accuracy	<= 3% of Sr	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1058 V DC	
Maximum residual current	0.6 mA open state	
Switching frequency	<= 300 Hz	
Maximum voltage drop	<4.2 V (closed)	
Maximum delay first up	7.5 ms	
Maximum delay response	1.2 ms	
Maximum delay recovery	1.8 ms	

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 validability or likes 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.

Marking	CE
Height	40 mm
Length	40 mm
Width	70 mm
Net weight	0.149 kg

#### Environment

Product certifications	CSA[RETURN]CCC[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 EN 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	4.7 cm
Package 1 Length	8.8 cm
Package 1 Weight	140.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.576 kg

#### Offer Sustainability

REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Circularity Profile	No need of specific recycling operations

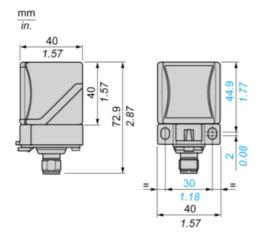
#### Contractual warranty

Warranty	18 months

# Product data sheet Dimensions Drawings

## XS8C2A1DBM12

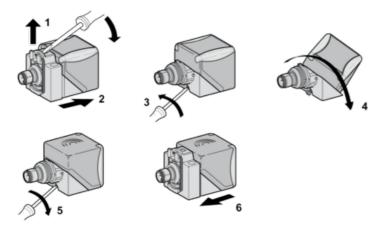
#### **Dimensions**



### XS8C2A1DBM12

#### Mounting

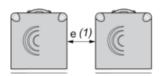
#### **Head Positions**



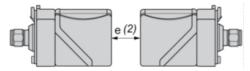
#### **Setting-up Precautions**

#### Minimum Mounting Distances (mm)

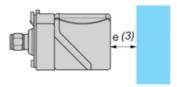
Side by Side



e (1) ≥ 80 Face to Face



e (2) ≥ 160 Facing a Metal Object



e (3) ≥ 60

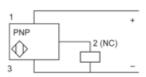
## XS8C2A1DBM12

#### Wiring Schemes

#### M12 connector



#### PNP



1:(+)

2 : NC Output

3:(-)

4 : Not connected