

### Product data sheet Characteristics

## XS8C1A1MAL5

inductive sensor XS8 40x40x15 - PBT - Sn25mm - 24..240VAC/DC - cable 5m





#### 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 40 x 40 x 15
Size	15 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	15 Mm flush mountable 25 mm non flush mountable
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	5 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

Complementary		
Detection face	Frontal	
Front material	PBT	
Fine adjustment zone	815 Mm flush mountable 825 mm non flush mountable	
Differential travel	115% of Sr	
Cable composition	2 x 0.34 mm <sup>2</sup>	
Wire insulation material	PVC	
Supply voltage limits	20264 V AC/DC	
Maximum residual current	1.5 mA open state	
Switching frequency	<= 1000 Hz	
Maximum voltage drop	<5.5 V (closed)	
Current consumption	<= 10 mA no-load	
Maximum delay first up	10 ms	
Maximum delay response	0.3 ms	
Maximum delay recovery	0.8 ms	
Marking	CE	
Depth	15 mm	
Height	40 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	40 mm	
Net weight	0.215 kg	

#### Environment

Product certifications	UL[RETURN]CCC[RETURN]CSA
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	9.6 cm	
Package 1 Length	13.2 cm	
Package 1 Weight	196 g	

#### Offer Sustainability

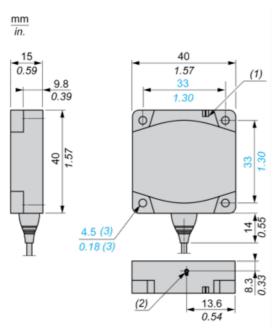
ustainable offer status Green Premium product		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <sup>☑</sup> EU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	₫Yes	

#### Contractual warranty

Warranty	18 months	

# XS8C1A1MAL5

#### **Dimensions**



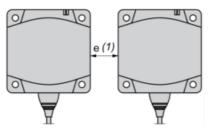
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

## XS8C1A1MAL5

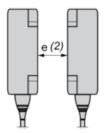
#### Setting-up

#### Minimum Mounting Distances (mm)

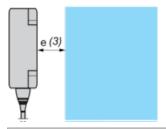
Side by Side



Face to Face



Facing a Metal Object



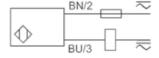
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

## Product data sheet Connections and Schema

# XS8C1A1MAL5

### Wiring Schemes

### 2-Wire NO Output



BU : Blue BN : Brown