

Product data sheet Characteristics

XS8C1A1PAL5

inductive sensor XS8 40x40x15 - PBT - Sn25mm - 12..24VDC - 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	3-wire	
[Sn] nominal sensing distance	15 Mm flush mountable 25 mm non flush mountable	
Discrete output function	1 NO	
Output circuit type	DC	
Discrete output type	PNP	
Electrical connection	Cable	
Cable length	5 m	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection	
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	3 x 0.34 mm ²
Wire insulation material	PVC
Supply voltage limits	1036 V DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 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

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.

Height	40 mm
Width	40 mm
Net weight	0.215 kg

Environment

Product certifications	UL[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	4.200 cm
Package 1 Width	9.200 cm
Package 1 Length	13.200 cm
Package 1 Weight	214.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.467 kg

Offer Sustainability

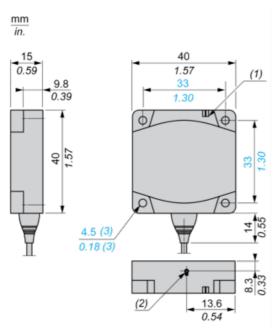
Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₫Yes	
Circularity Profile	No need of specific recycling operations	

Contractual warranty

Warrantv	18 months

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Dimensions



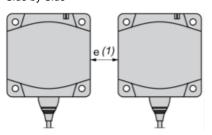
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

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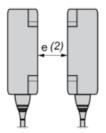
Setting-up

Minimum Mounting Distances (mm)

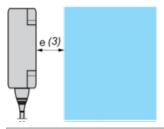
Side by Side



Face to Face



Facing a Metal Object



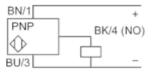
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Product data sheet Connections and Schema

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Wiring Schemes

PNP



BU : Blue BN : Brown BK : Black