

Product data sheet Characteristics

XS7F1A1PAL01M8

inductive sensor XS7 15x32x8 - PBT - Sn5mm - 12..24VDC - M8 0.15m





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 15 x 32 x 8	
Size	8 mm	
Body type	Fixed	
Detector flush mounting acceptance	Flush mountable	
Material	Plastic	
Enclosure material	PBT	
Type of output signal	Discrete	
Wiring technique	3-wire	
Discrete output function	1 NO	
Output circuit type	DC	
Discrete output type	PNP	
Electrical connection	Remote male connector M8, 3 pins	
Cable length	0.15 m	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection	
IP degree of protection	IP68 conforming to IEC 60529	

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	04 mm
Differential travel	115% of Sr
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Depth	8 mm
Height	32 mm
Width	15 mm
Net weight	0.045 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

Product certifications	C-Tick[RETURN]CSA[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 IEC 60068-2-27

Packing Units

3	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.177 cm
Package 1 Width	6.59 cm
Package 1 Length	9.568 cm
Package 1 Weight	30.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.081 kg
Unit Type of Package 3	P06
Number of Units in Package 3	352
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	27 kg

Offer Sustainability

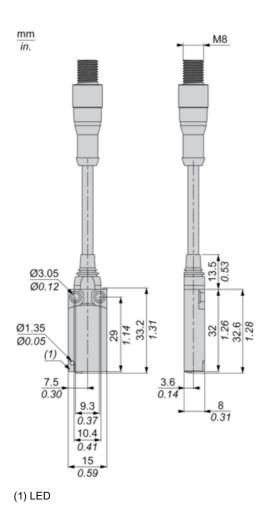
Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months

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Dimensions

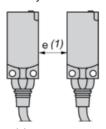


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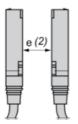
Setting-up

Minimum Mounting Distances (mm)

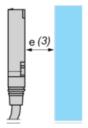
Side by Side



e (1) ≥ 15 Face to Face



e (2) ≥ 40 Facing a Metal Object



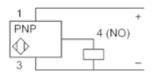
e (3) ≥ 15

Product data sheet Connections and Schema

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Wiring Schemes

PNP



M8

