

Product data sheet

XS7F1A1NAL2

Inductive sensor, XS, 15x32x8 mm, PBT, Sn 5 mm, NPN, NO, cable 2 m, form F flat, 12...24 VDC

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor name	XS7
Sensor type	Inductive proximity sensor
Sensor design	Flat form 15 x 32 x 8
Device application	Not applicable
ETIM classification	ETIM 9 - EC002714 - Inductive proximity switch
Body type	Fixed
Material	Plastic
Front material	PBT
Enclosure material	PBT
Wiring technique	3-wire
Detector flush mounting acceptance	Flush mountable
Delay response	0.1 ms
Product certifications	CSA C-Tick UL
Marking	CE
Indivisible sale quantity	1

Complementary

Sensing range	> 4...8 mm
Electrical connection	Cable
Cable length	2 m
Cable composition	3 x 0.34 mm²
Wire insulation material	PVC
Supply voltage limits	10-36 V DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
Voltage drop	<2 V (closed)

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.
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Current consumption	<= 10 mA no-load
Status LED	Output state: 1 LED (yellow)
Output circuit type	DC
Type of output signal	Discrete
Detection face	Frontal
Discrete output type	NPN
Discrete output function	1 NO
Switching frequency	<= 2000 Hz
Differential travel	1...15 % of Sr
Delay first up	5 ms
Delay recovery	0.1 ms
Height	32 mm
Width	15 mm
Depth	8 mm
Size	8 mm
Product weight	0.065 kg

Environment

IP degree of protection	IP68 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Warranty

Warranty	18 months

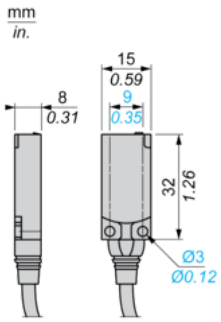
Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916011010
Package 1 height	4.2 cm
Package 1 width	9.7 cm

Package 1 length	13.3 cm
Package 1 weight	0.065 kg
Unit type of package 2	S02
Number of units in package 2	16
New Package 2 GTIN 14	13666916011017
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	1.703 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916011014
Package 3 height	4.2 cm
Package 3 width	9.7 cm
Package 3 length	13.3 cm
Package 3 weight	0.078 kg

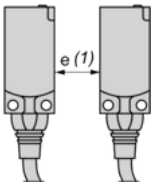
Technical Drawings

Dimensions



Setting-up

Minimum Mounting Distances (mm)



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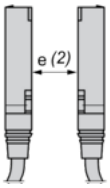

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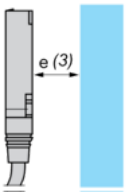


Side by Side

e (1) ≥

Face to Face

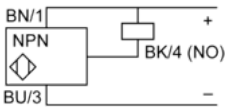
e (2) ≥

Facing a Metal Object

e (3) ≥

Wiring Schemes

NPN



BU :

BN :

BK :