

Product data sheet

XS8E1A1PAL2

Inductive sensor, XS8, 26x26x13 mm, PBT, Sn 15 mm, PNP, NO, cable 2 m, form E flat, 12...24 VDC

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor name	XS8
Sensor type	Inductive proximity sensor
Sensor design	Flat form 26 x 26 x 13
Device application	Not applicable
ETIM classification	ETIM 9 - EC002714 - Inductive proximity switch
Body type	Fixed
Material	Plastic
Front material	PBT
Enclosure material	PBT
[Sn] nominal sensing distance	10 mm flush mountable, 15 mm non flush mountable
Wiring technique	3-wire
Detector flush mounting acceptance	Non flush mountable
Delay response	0.3 ms
Product certifications	CSA Ecolab UL
Marking	CE
Indivisible sale quantity	1

Complementary

Sensing range	8...15 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

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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Voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Output circuit type	DC
Type of output signal	Discrete
Detection face	Frontal
Discrete output type	PNP
Discrete output function	1 NO
Switching frequency	<= 2000 Hz
Differential travel	1...15 % of Sr
Fine adjustment zone	5-10 mm flush mountable, 5-15 mm non flush mountable
Delay first up	10 ms
Delay recovery	0.8 ms
Residual current	1.5 mA open state
Height	26 mm
Width	26 mm
Depth	13 mm
Size	13 mm
Product weight	0.075 kg

Environment

IP degree of protection	IP68 double insulation 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

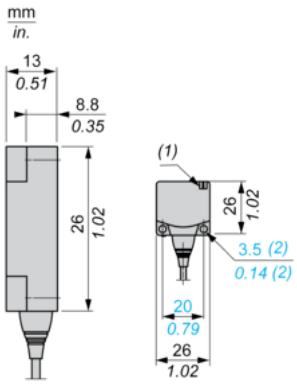
Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916009581

Package 1 height	4.2 cm
Package 1 width	9.6 cm
Package 1 length	13.2 cm
Package 1 weight	0.075 kg
Unit type of package 2	S03
Number of units in package 2	44
New Package 2 GTIN 14	13666916009588
Package 2 height	30 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	4.984 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916009585
Package 3 height	13.2 cm
Package 3 width	4.2 cm
Package 3 length	9.6 cm
Package 3 weight	0.1 kg

Technical Drawings

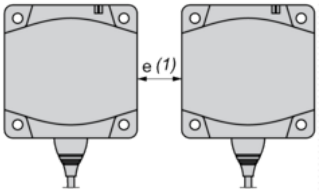
Dimensions



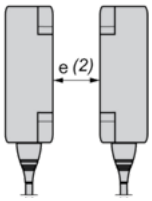
(1)
(2)

Setting-up

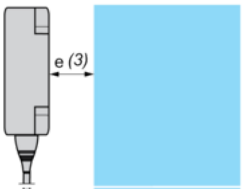
Minimum Mounting Distances (mm)



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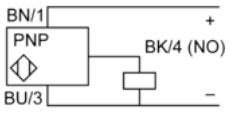
Minimum Mounting Distances (mm)



Side by Side
Face to Face
Facing a Metal Object

Wiring Schemes

PNP



BU :
BN :
BK :