

Product data sheet Characteristics

XS4P08PC410TF

inductive sensor XS4 M8 - L50mm - PPS - Sn2mm - 12..24VDC - cable 2m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M8
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Complementary	
Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	02 mm
Differential travel	115% of Sr
Cable composition	4 x 0.08 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	010 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	0 mm
Height	8 mm
Length	50 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.

Environment

Product certifications	UL[RETURN]CSA
Ambient air temperature for operation	-4070 °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

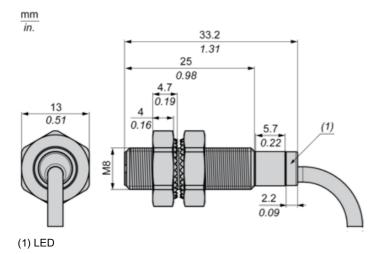
Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	40
Warrantv	18 months
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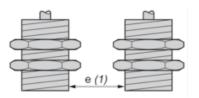
Dimensions



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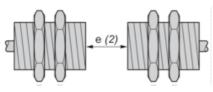
Minimum Mounting Distances

Side by side

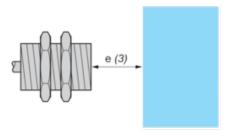


e (1) \ge 10 mm/0.39 in.

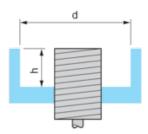
Face to face



e (2) ≥ 30 mm/1.18 in. Facing a metal object

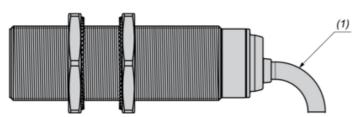


e (3) ≥ 7.5 mm/0.30 in. Mounted in a metal support



 $d \ge 24 \text{ mm/}0.94 \text{ in.}$ h ≥ 5 mm/0.20 in.

Mounting



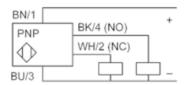
(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes

PNP 4-wire



BU : Blue BN : Brown BK : Black WH : White