

# Product data sheet

## Characteristics

# XS2M08PC410L1

inductive sensor XS2 M8 - L50mm - stainless -  
Sn2.5mm - 12..24VDC - cable 5m



## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M8
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	5 m
[Us] rated supply voltage	12...24 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

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	4 x 0.08 mm <sup>2</sup>
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 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	38 mm

Length	54 mm
Net weight	0.065 kg




## Environment

Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

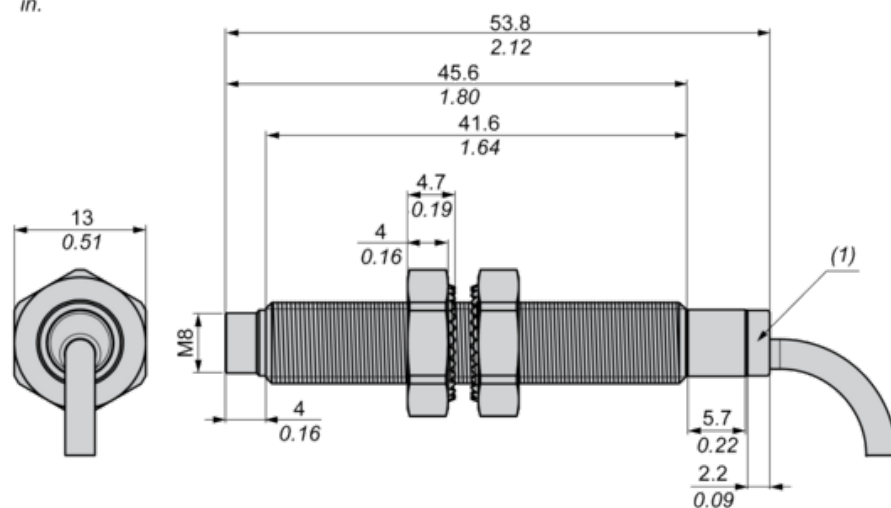
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	4.000 cm
Package 1 Length	9.400 cm
Package 1 Weight	76.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.970 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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$$\frac{\text{mm}}{\text{in.}}$$


(1) LED

## Minimum Mounting Distances

Side by side



$e (1) \geq 10 \text{ mm}/0.39 \text{ in.}$

Face to face



$e (2) \geq 30 \text{ mm}/1.18 \text{ in.}$

Facing a metal object



$e (3) \geq 7.5 \text{ mm}/0.30 \text{ in.}$

Mounted in a metal support



$d \geq 24 \text{ mm}/0.94 \text{ in.}$

$h \geq 5 \text{ mm}/0.20 \text{ in.}$

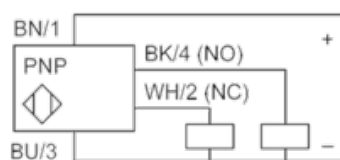
## Mounting



(1) Bending cable: 4 x external cable diameter

## Wiring Schemes

PNP 4-wire



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