

# XS1N18PC410DSCV

inductive sensor XS1 M18, L48mm, brass, Sn5mm, 9VDC, M12



## Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	Mobile equipment
Sensor name	XS1
Sensor design	Cylindrical M18
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	4-wire
[Sn] nominal sensing distance	0.20 in (5 mm)
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	9 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP69K conforming to DIN 40050 IP65 conforming to IEC 60529 IP67

## Complementary

Safety level	SIL 2 EN/IEC 61508 PL = d EN/ISO 13849-1 SILCL 2 IEC 62061
Safety reliability data	MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller
Service Life	20 year(s)
Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0.00...0.16 in (0...4 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	9...36 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.35 ms
Marking	CE

Threaded length	1.10 in (28 mm)
Length	2.01 in (51 mm)
Net Weight	0.09 lb(US) (0.04 kg)

## Environment

Standards	IEC 62061 EN/ISO 13849-1
Product Certifications	UL TÜV E2 CSA
Ambient Air Temperature for Operation	-40...140 °F (-40...60 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27




## Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389119623919
Nbr. of units in pkg.	1
Package weight(Lbs)	2.06 oz (58.5 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.71 in (1.8 cm)
Package 1 width	2.95 in (7.5 cm)
Package 1 Length	4.33 in (11 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	6.23 lb(US) (2.824 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	704
Package 3 Weight	115.00 lb(US) (52.164 kg)
Package 3 Height	29.53 in (75 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

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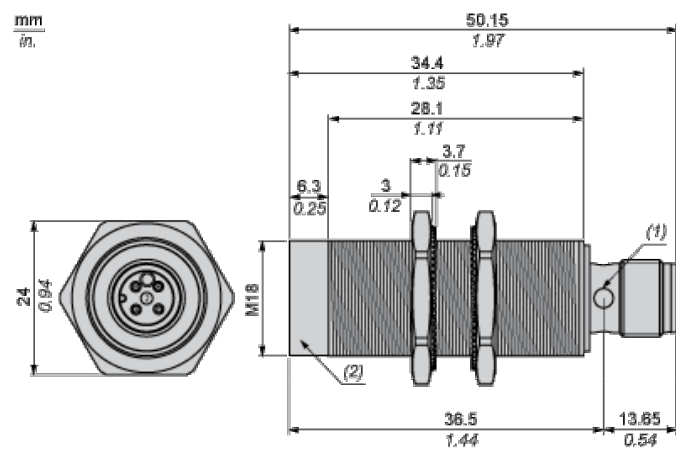
### Contractual warranty

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Warranty	18 months
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Dimensions



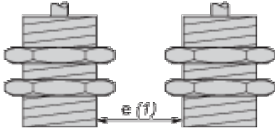
- (1) LED
- (2) Label

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Minimum Mounting Distances

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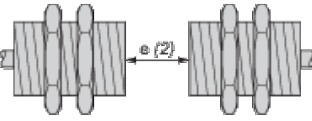
Side by side



e (1) 10 mm/0.39 in.

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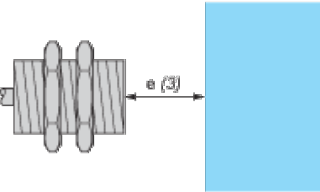
Face to face



e (2) 60 mm/2.36 in.

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Facing a metal object

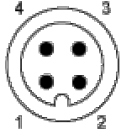


e (3) 15 mm/0.60 in.

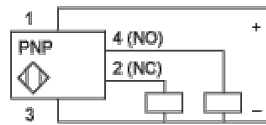
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## Wiring Schemes

M12 connector



PNP 4-wire

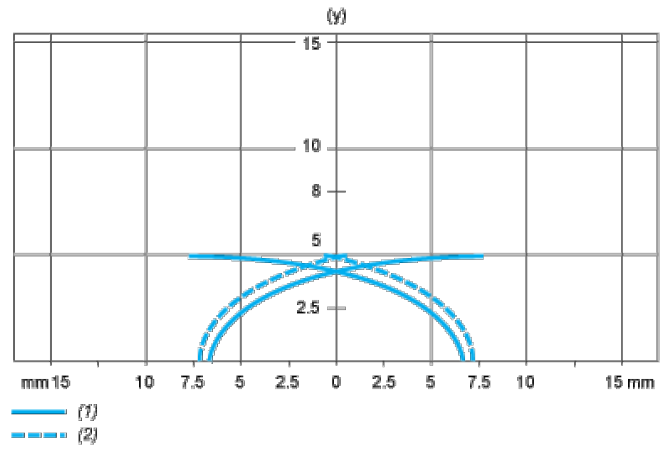


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Performance Curves

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Standard Steel Target : 18x18x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm