

# Product data sheet

## Characteristics

# XS218SAMAU20

Inductive proximity sensors XS, inductive sensor XS2 M18, L72mm, stainless, Sn12mm, 24...240VAC/DC, 1/2"



### Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor Type	Inductive proximity sensor
Device Application	Food and beverage
Market Segment	Pharmaceutical
Sensor name	XS2
Sensor design	Cylindrical M18
Size	72 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.47 in (12 mm)
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	Male connector 1/2"20 UNF, 3 pins
[Us] rated supply voltage	24...240 V AC 50/60 Hz 24...240 V DC
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

### Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Stainless steel 316 L
Sensing range	> 0.31...0.59 in (> 8...15 mm)
Operating zone	0.00...0.38 in (0...9.6 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed)
Maximum delay first up	30 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Marking	CE
Threaded length	1.73 in (44 mm)
Length	2.83 in (72 mm)

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## Environment

Product Certifications	CCC UL CSA
Ambient Air Temperature for Operation	-13...185 °F (-25...85 °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	3389119113373
Nbr. of units in pkg.	1
Package weight(Lbs)	2.19 oz (62 g)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.94 in (2.4 cm)
Package 1 width	2.48 in (6.3 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	31.23 oz (885.333 g)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 3 Height	5.91 in (15 cm)

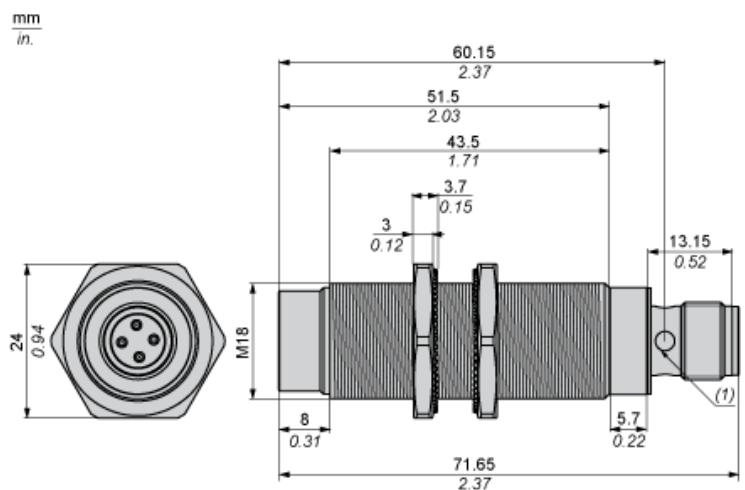
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions



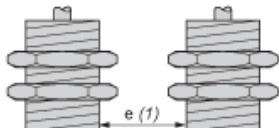
(1) LED

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### Minimum Mounting Distances

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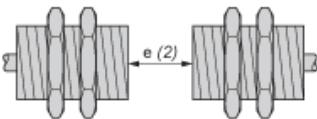
Side by side



$e (1)$  72 mm/2.83 in.

$\geq$

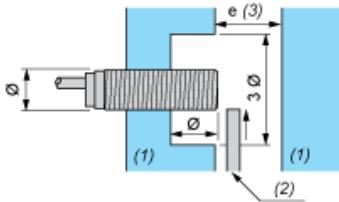
Face to face



$e (2)$  144 mm/5.67 in.

$\geq$

Facing a metal object



$e (3)$  36 mm/1.42 in

$\geq$

(1) Metal

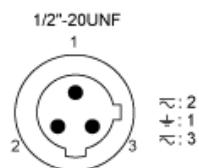
(2) Object to be detected

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### Wiring Schemes

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1/2"-20UNF

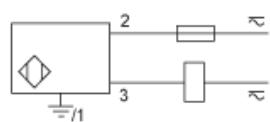


1 : Grounding

2 : AC

3 : AC

NO output



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