

XS218SANAL2

Inductive proximity sensors XS, inductive sensor XS2 M18, L60mm, stainless, Sn12mm, 12...24 VDC, cable 2 m



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	60 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring Technique	3-wire
[Sn] nominal sensing distance	0.47 in (12 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP68 double insulation 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
Cable composition	3 x 0.34 mm ²
Wire insulation material	PVC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE

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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Threaded length	1.57 in (40 mm)
Length	2.36 in (60 mm)
Net Weight	0.26 lb(US) (0.12 kg)

Environment

Product Certifications	UL[RETURN]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	US10DS222486
Discount Schedule	0DS2
GTIN	3389119113267
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.65 in (4.200 cm)
Package 1 Width	3.74 in (9.500 cm)
Package 1 Length	5.12 in (13.000 cm)
Package 1 Weight	3.74 oz (106.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	11
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 2 Weight	2.98 lb(US) (1.350 kg)

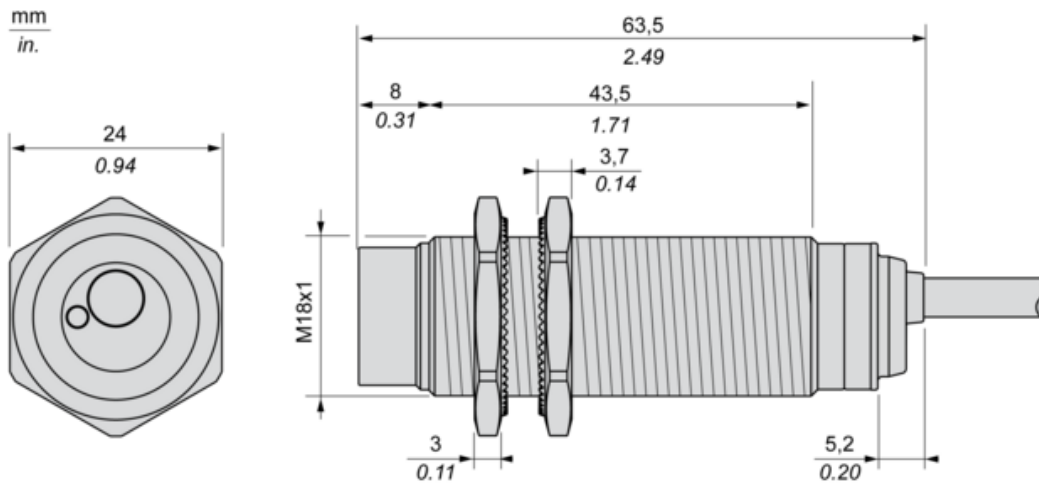
Offer Sustainability

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 www.P65Warnings.ca.gov
Circularity Profile	 End of Life Information
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

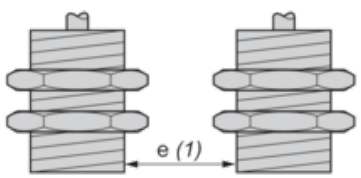
Warranty	18 months
----------	-----------

Dimensions



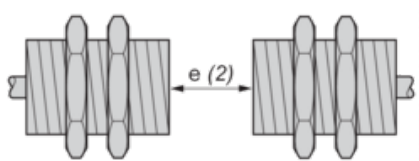
Minimum Mounting Distances

Side by side



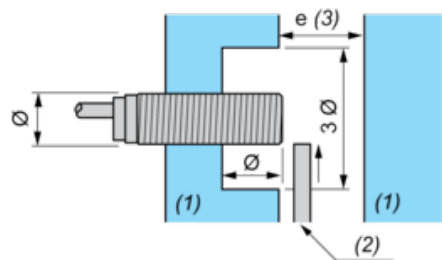
$e (1) \geq 72 \text{ mm}/2.83 \text{ in.}$

Face to face



$e (2) \geq 144 \text{ mm}/5.67 \text{ in.}$

Facing a metal object

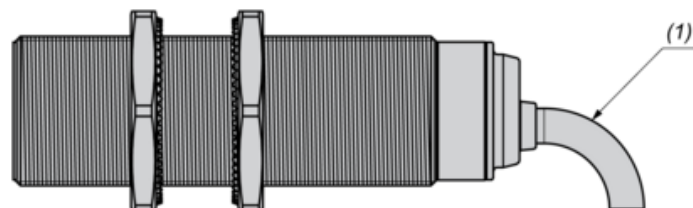


$e (3) \geq 36 \text{ mm}/1.42 \text{ in.}$

(1) Metal

(2) Object to be detected

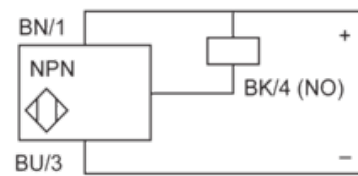
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

NPN



BU : Blue
BN : Brown
BK : Black