

Product data sheet

Specifications



Inductive proximity sensors XS,
inductive sensor XS6 M18, L73mm,
brass, Sn8mm, 24...240VAC/DC,
1/2"

XS618B1MAU20

Main

Range Of Product	Telemecanique Inductive proximity sensors XS
Series Name	General purpose
Sensor Type	Inductive proximity sensor
Sensor Name	XS6
Sensor Design	Cylindrical M18
Size	73 mm
Body Type	Fixed
Detector Flush Mounting Acceptance	Flush mountable
Material	Metal
Type Of Output Signal	Discrete
Wiring Technique	2-wire
[Sn] Nominal Sensing Distance	8 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/DC 50/60 Hz
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	Nickel plated brass
Sensing Range	> 4...8 mm
Operating Zone	0...6.4 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

Disclaimer: 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

Switching Frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum Voltage Drop	<5.5 V (closed)
Maximum Delay First Up	25 ms
Maximum Delay Response	0.5 ms
Maximum Delay Recovery	0.5 ms
Marking	CE
Threaded Length	52 mm
Length	73 mm

Environment

Product Certifications	CSA 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	6.500 cm
Package 1 Width	9.500 cm
Package 1 Length	4.000 cm
Package 1 Weight	61.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	44
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.135 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation [REACH Declaration](#)

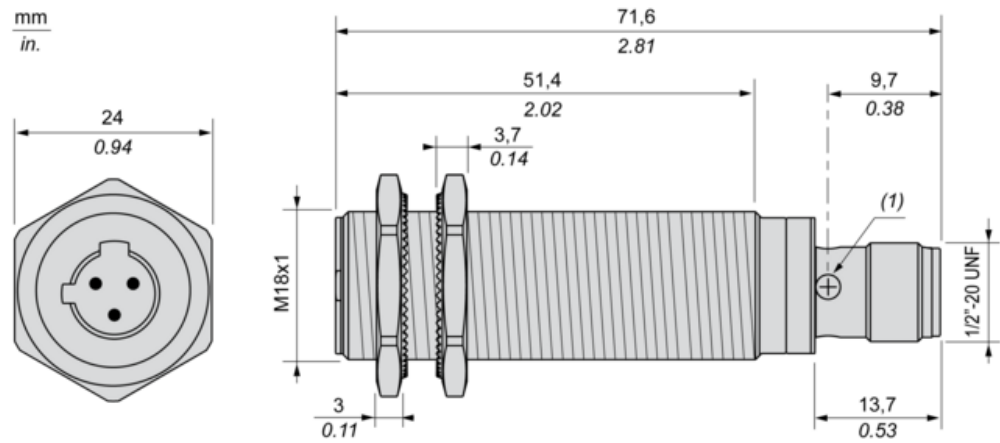
Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

Circularity Profile [End of Life Information](#)

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 Diisodecyl 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

Dimensions Drawings

Dimensions

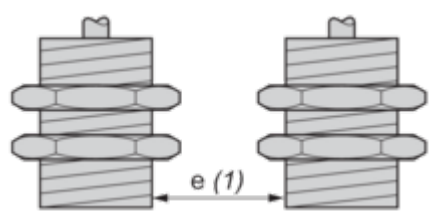


(1) : LED

Mounting and Clearance

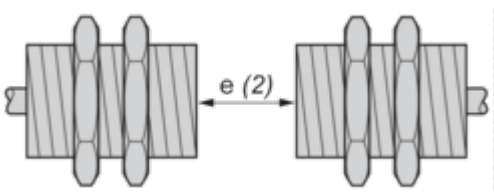
Minimum Mounting Distances

Side by side



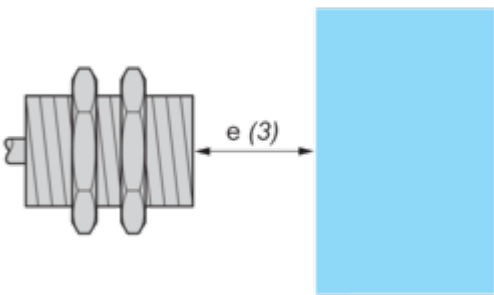
$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



$e (2) \geq 100 \text{ mm}/3.94 \text{ in.}$

Facing a metal object

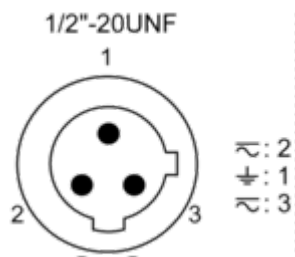


$e (3) \geq 25 \text{ mm}/0.98 \text{ in}$

Connections and Schema

Wiring Schemes

1/2"-20UNF



1 : Grounding
2 : AC
3 : AC
NO output

