



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M18
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NC
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

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS

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	0.6 mA open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V (closed)
Maximum delay first up	40 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	52 mm
Height	18 mm
Length	70 mm
Net weight	0.04 kg

Environment

Product certifications	Ecolab CCC UL CSA
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 Weight	44 g
Package 1 Height	4 cm
Package 1 width	6.7 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	44 g
Package 2 Height	1.8 cm
Package 2 width	20 cm
Package 2 Length	15 cm
Unit Type of Package 3	S01
Number of Units in Package 3	22
Package 3 Weight	1.187 kg
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

Offer Sustainability

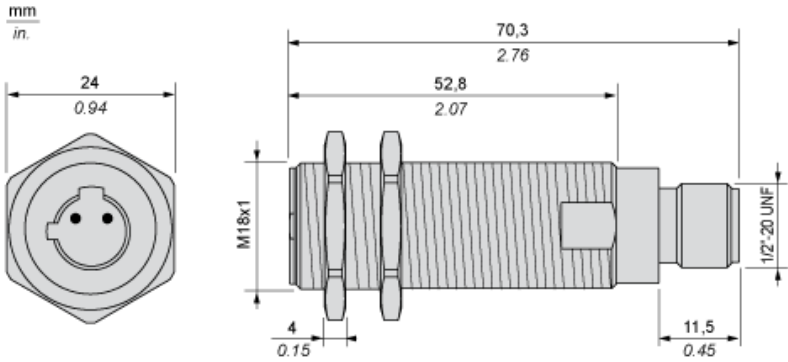
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

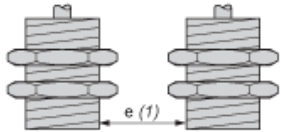
Warranty	18 months
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Dimensions



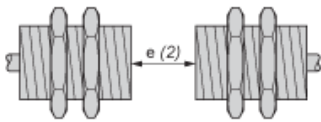
Minimum Mounting Distances

Side by side



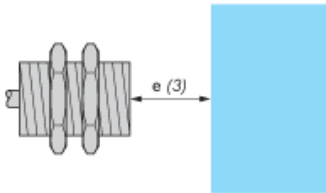
$e (1) \geq 32 \text{ mm}/1.26 \text{ in.}$

Face to face



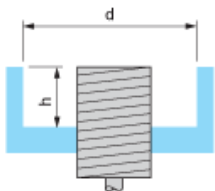
$e (2) \geq 96 \text{ mm}/3.78 \text{ in.}$

Facing a metal object



$e (3) \geq 24 \text{ mm}/0.94 \text{ in.}$

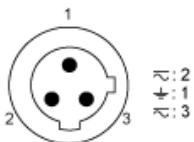
Mounted in a metal support



$d \geq 56 \text{ mm}/2.20 \text{ in.}$
 $h \geq 16 \text{ mm}/0.63 \text{ in.}$

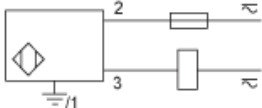
Wiring Schemes

1/2"-20UNF



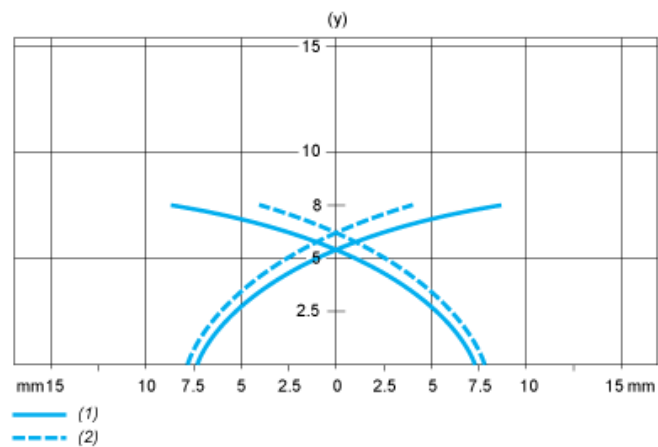
- 1 : Grounding
- 2 : AC
- 3 : AC

NC output



Performance Curves

Standard Steel Target : 24x24x1 mm



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