

XS4P18MA230K

inductive sensor XS4 M18 - L70mm - PPS -
Sn8mm - 24..240VAC/DC - 1/2"



Main

Range of product	OsiSense 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 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

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	CCC UL Ecolab 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	42 g
Package 1 Height	4.2 cm
Package 1 width	6.7 cm
Package 1 Length	9.6 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	42 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	11
Package 3 Weight	665 g
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

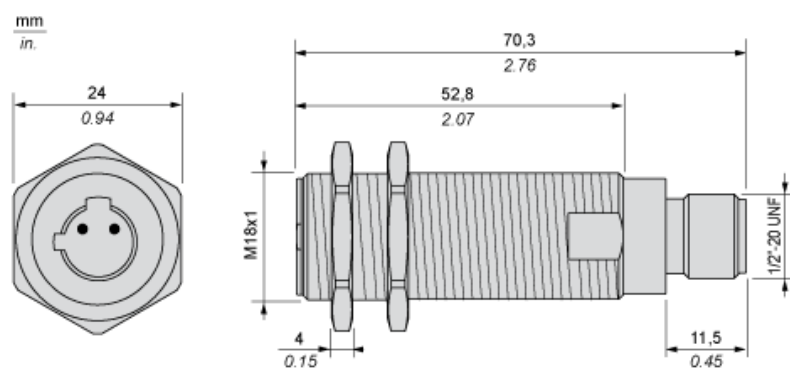
Offer Sustainability

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) 32 mm/1.26 in.

≥

Face to face



e (2) 96 mm/3.78 in.

≥

Facing a metal object



e (3) 24 mm/0.94 in.

≥

Mounted in a metal support

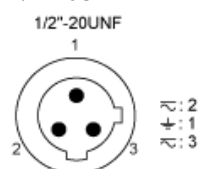


d ≥ 56 mm/2.20 in.

h ≥ 16 mm/0.63 in.

Wiring Schemes

1/2"-20UNF

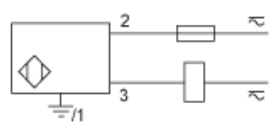


1 : Grounding

2 : AC

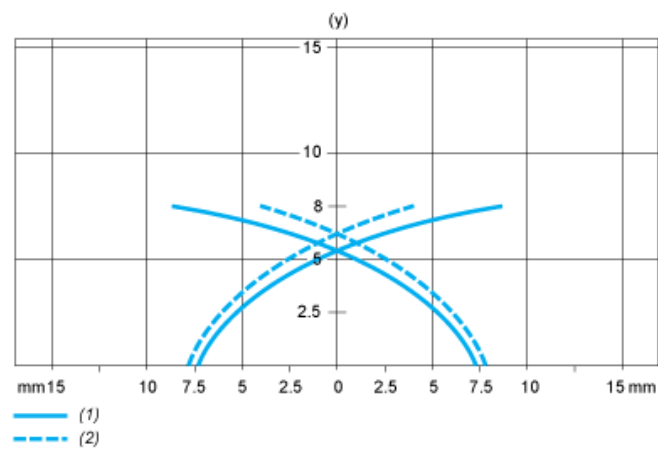
3 : AC

NO 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