

Product data sheet

Characteristics

XS4P18MB230K

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



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
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	0.31 in (8 mm)
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	1/2"20 UNF male connector, 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...0.25 in (0...6.4 mm)
Differential travel	1...15% of Sr
Status LED	1 LED (yellow) output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 0.6 mA (open state)
Switching frequency	<= 2000 Hz (DC) <= 25 Hz (AC)
Voltage drop	<= 5.5 V (closed)
Delay first up	<= 40 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Height	0.71 in (18 mm)
Length	2.76 in (70 mm)
Product weight	0.09 lb(US) (0.04 kg)

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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	CCC CSA Ecolab UL
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	003389110919400
Nbr. of units in pkg.	1
Package weight(Lbs)	0.11
Returnability	N
Country of origin	FR

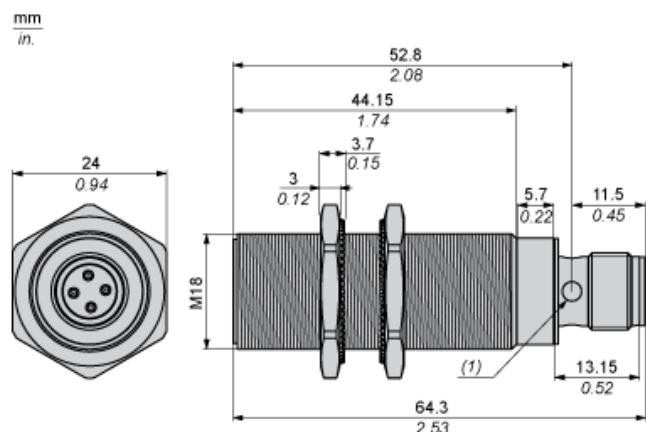
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0813 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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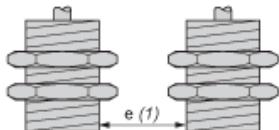
Dimensions



(1) LED

Minimum Mounting Distances

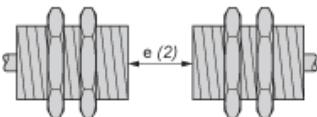
Side by side



e (1) 32 mm/1.26 in.

≥

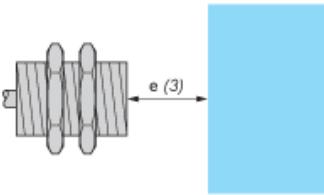
Face to face



e (2) 96 mm/3.78 in.

≥

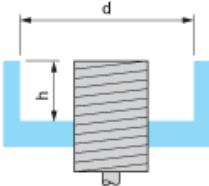
Facing a metal object



e (3) 24 mm/0.94 in.

≥

Mounted in a metal support



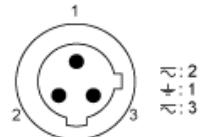
d ≥ 56 mm/2.20 in.

h ≥ 16 mm/0.63 in.

Wiring Schemes

1/2"-20UNF

1/2"-20UNF

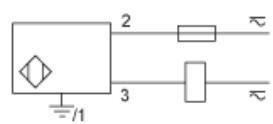


1 : Grounding

2 : AC

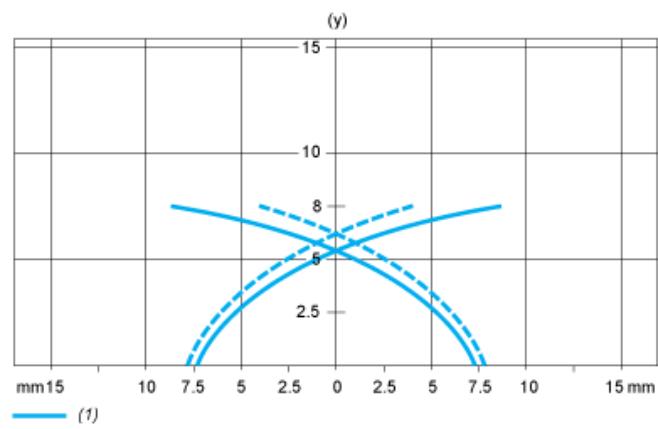
3 : AC

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

Mouser Electronics

Authorized Distributor

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