XS4P18MB230K

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

Green Premium™ Product

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	0.31 in (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 IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0.00…0.25 in (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	2.05 in (52 mm)
Height	0.71 in (18 mm)
Length	2.76 in (70 mm)
Net weight	0.09 lb(US) (0.04 kg)

Environment

Product certifications	Ecolab CCC UL CSA
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 +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389110919400
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

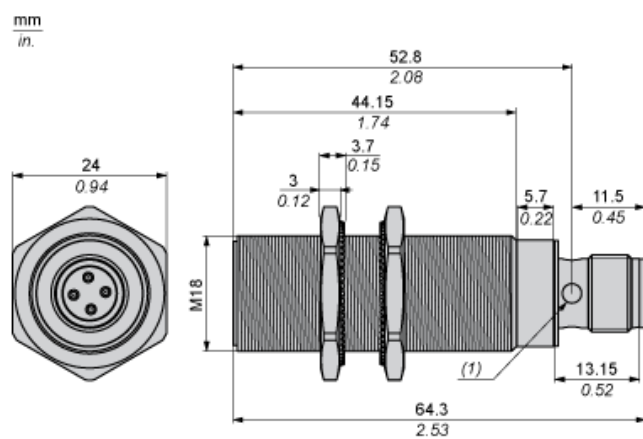|	
Unit Type of Package 1	PCE
Package 1 Height	1.57 in (4 cm)
Package 1 width	2.64 in (6.7 cm)
Package 1 Length	3.74 in (9.5 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	1.55 oz (44 g)
Package 2 Height	0.71 in (1.8 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	22
Package 3 Weight	2.62 lb(US) (1.187 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

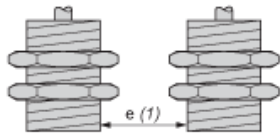|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

Dimensions

mm / in.

(1)   LED

XS4P18MB230K

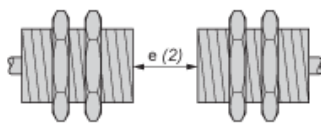## Minimum Mounting Distances

Side by side

e (1) 32 mm/1.26 in.
≥

Face to face

e (2) 96 mm/3.78 in.
≥

Facing a metal object
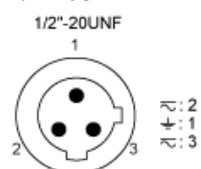

e (3) 24 mm/0.94 in.
≥

Mounted in a metal support
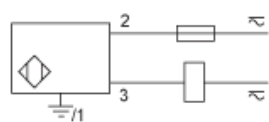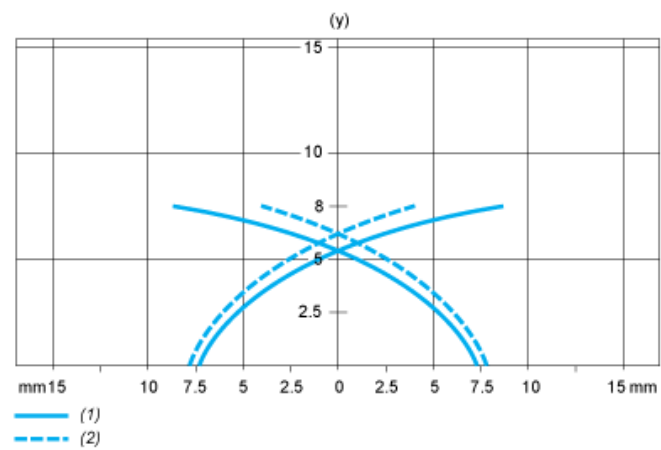

d ≥   56 mm/2.20 in.
h ≥   16 mm/0.63 in.

Life Is On | Schneider Electric

Wiring Schemes

1/2"-20UNF

1 : Grounding
2 : AC
3 : AC

NC output

XS4P18MB230K

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