XS2M18MA250K

inductive sensor XS2 M18 - L72mm - brass - Sn8mm - 24..240VAC/DC - 1/2"

Green Premium Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection
Device application	2-wire DC short-circuit protection
Sensor name	XS2
Sensor design	Cylindrical M18
Size	72 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NO
Electrical connection	3 pins 1/2"20 UNF male connector
[Us] rated supply voltage	24...240 V AC 50/60 Hz 24...210 V DC
Switching capacity in mA	5...200 mA DC with overload and short-circuit protection 5...300 mA AC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS

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Enclosure material	Nickel plated brass
Operating zone	0...6.4 mm
Differential travel	1...15% of Sr
Status LED	1 LED green for supply on 1 LED yellow for output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 1.5 mA for open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Voltage drop	<= 5.5 V at closed state state
Delay first up	<= 70 ms
Delay response	<= 2 ms
Delay recovery	<= 4 ms
Marking	CE
Threaded length	44 mm
Height	18 mm
Length	72 mm

Environment

|	
Product certifications	CSA CCC 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 60068-2-7

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0839 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

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Dimensions

(1)   LED

XS2M18MA250K
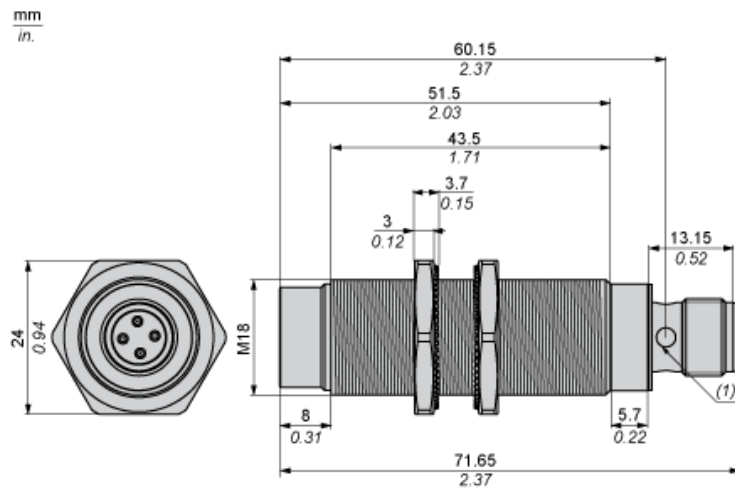
Minimum Mounting Distances

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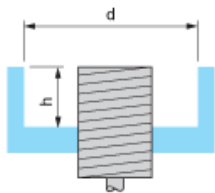
d ≥   56 mm/2.20 in.
h ≥   16 mm/0.63 in.

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Wiring Schemes

1/2"-20UNF
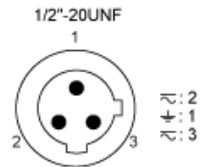
1 :   Grounding
2 :   AC
3 :   AC

NO output
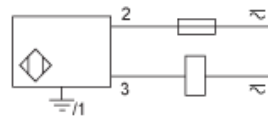
XS2M18MA250K

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
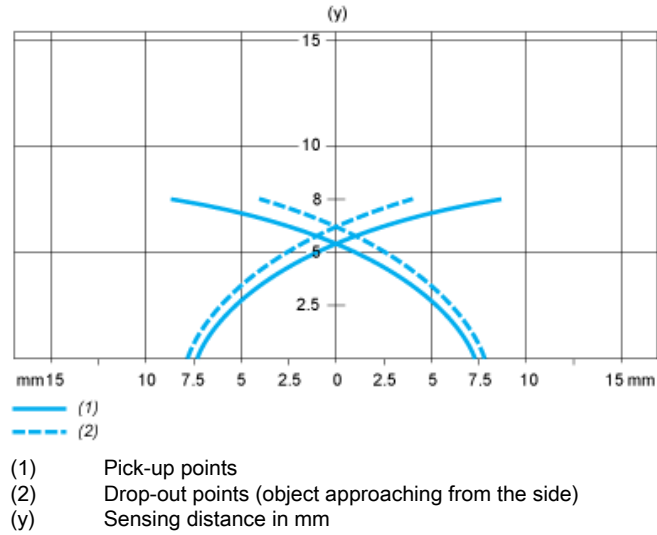
XS2M18MA250K is replaced by:

Inductive sensors XS XS618B1MAU20

inductive sensor XS6 M18 - L73mm - brass - Sn8mm - 24..240VAC/DC - 1/2"

Qty 1

Reason for Substitution: Rebranding | Substitution date: 30 September 2005