XS1M18KP340D

inductive sensor XS1 M18 - L72mm - brass - Sn5mm - 12..24VDC - M12

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M18
Size	72 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA 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
Enclosure material	Nickel plated brass
Operating zone	0...4 mm

Mar 09, 2017

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Differential travel	1...15% of Sr
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 2000 Hz
Voltage drop	<= 2.6 V at closed state
Current consumption	0...10 mA at no-load
Delay first up	<= 5 ms
Delay response	<= 0.15 ms
Delay recovery	<= 0.35 ms
Marking	CE
Threaded length	51 mm
Height	18 mm
Length	72 mm

Environment

Product certifications	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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0814 - 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 📄 Product environmental
Product end of life instructions	Available 📄 End of life manual

Contractual warranty

Warranty period	18 months

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Dimensions
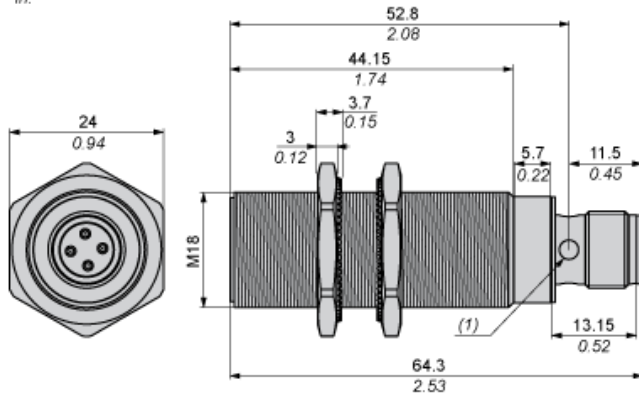
(1)   LED

Minimum Mounting Distances

Side by side

e (1) ≥10 mm/0.39 in.

Face to face

e (2) ≥60 mm/2.36 in.

Facing a metal object

e (3) ≥15 mm/0.60 in

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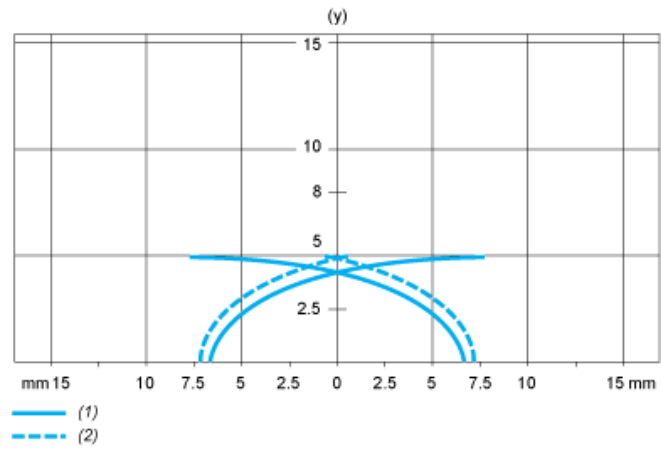## Wiring Schemes

M12 Connector

4-Wire DC, PNP/NPN, NO or NC output
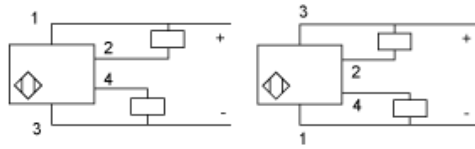
Performance Curves

Standard Steel Target : 18x18x1 mm

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

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