XS1M18PAS20

inductive sensor XS1 M18 - L60mm - stainless - Sn5mm - 12..24VDC - cable 2m

Green Premium

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Selective detection of non ferrous materials
Sensor name	XS1
Sensor design	Cylindrical M18
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[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	IP68 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel : 304 CU

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Operating zone	0...4 mm
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	10...38 V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2.6 V at closed state
Current consumption	0...15 mA at no-load
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	52 mm
Height	18 mm
Length	60 mm
Product weight	0.12 kg

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C

Offer Sustainability

|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1104 - 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

XS1M18PAS20
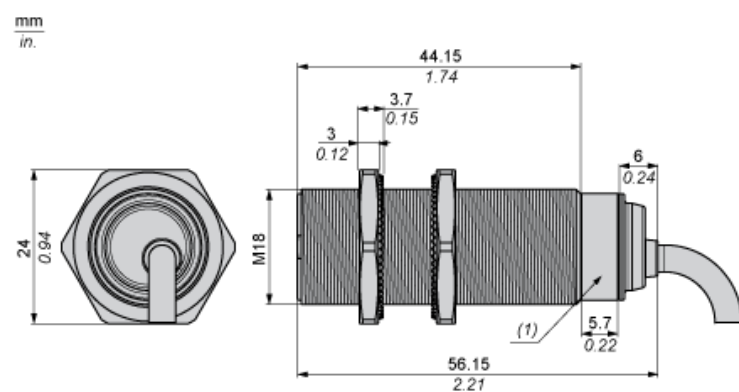
Minimum Mounting Distances

Side by side
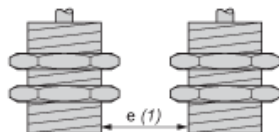
e (1) ≥   10 mm/0.39 in.

Face to face

e (2) ≥   60 mm/2.36 in.

Facing a metal object

e (3) ≥   15 mm/0.60 in

Mounting

(1)   Bending cable: 4 x external cable diameter

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Wiring Schemes

PNP

BU :   Blue
BN :   Brown
BK :   Black

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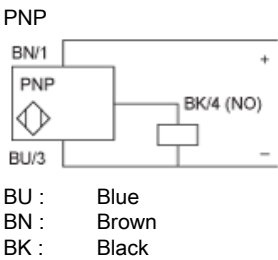
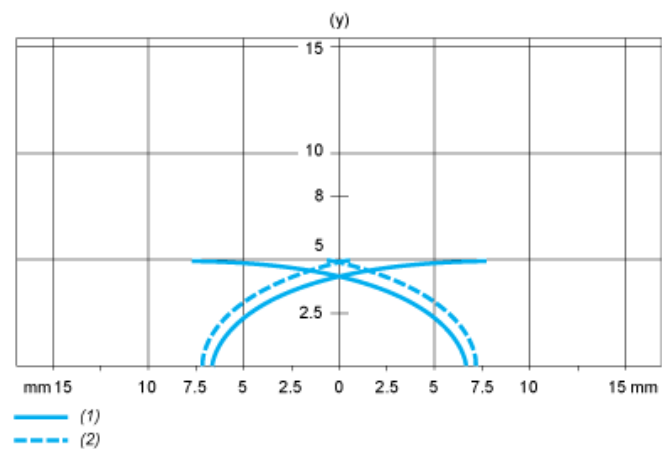## Performance Curves

Standard Steel Target : 18x18x1 mm

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