Product data sheet
Characteristics

XS218B4PAL5

inductive sensor XS2 M18 - L41mm - brass - Sn16mm - 12..24VDC - cable 5m

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS2
Sensor design	Cylindrical M18
Size	41 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	16 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	5 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	IP65 conforming to IEC 60529 IP67 conforming to DIN 40050 IP69K

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...12.8 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 15 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	21 mm

Telemecanique Sensors

| Length	41 mm
Product weight	0.19 kg

Environment

Product certifications	CSA UL E2
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 1550 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

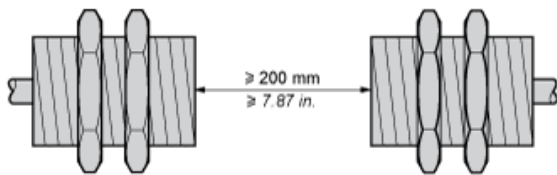## Dimensions

Pre-cabled
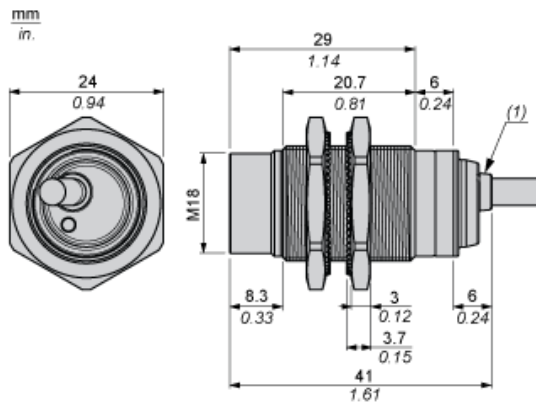
(1)   Yellow LED (Output state indication)

XS218B4PAL5

Mounting and Clearance

Minimum Mounting Distances

Side by Side

≥ 120 mm
≥ 4.73 in.

Face to Face

≥ 200 mm
≥ 7.87 in.
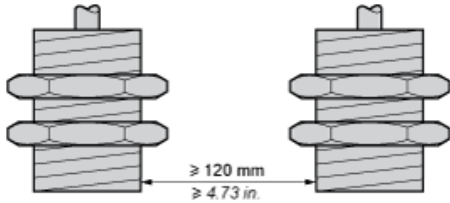
Facing a Metal Object

≥ 48 mm
≥ 1.89 in.
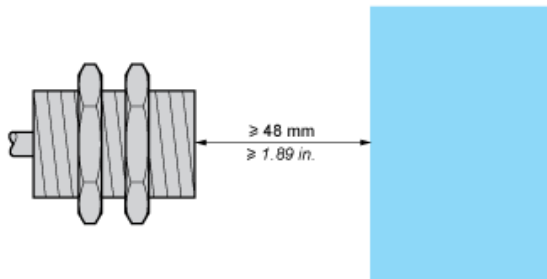
Mounted in a Metal Support
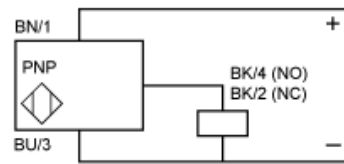
≥ 54 mm
≥ 2.13 in.

≥ 18 mm
≥ 0.71 in.

Telemecanique
Sensors
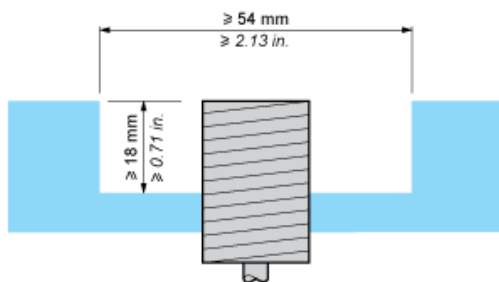
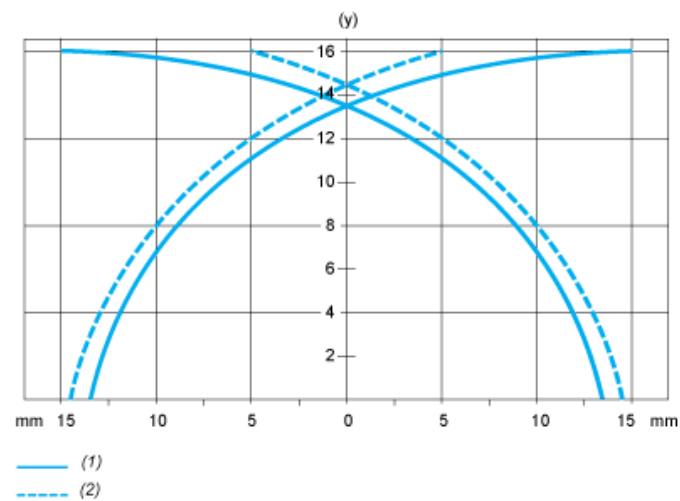## Connection and Schema

Wiring Schemes

PNP 3-wire

BN : Brown
BK : Black
BU : Blue

Performance Curves

Standard Steel Target: 24 x 24 x 1 mm

Operating zone: 0…12.8 mm

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