

Product data sheet

Characteristics

XS118BFPAL2

inductive sensor XS1 M18 - L53mm - brass - Sn:5mm - 12..24VDC - Cable 2m



Main characteristics

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M18
Size	53 mm and 47mm for thread
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Cable 2m
[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 characteristics

ISO thread	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0...4 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Cable Sheath	PVC
Cable Wires	3 X 0,14mm ²
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 1200 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 15 ms
Delay response	<= 0.1 ms
Delay recovery	<= 0.3 ms
Marking	CE
Threaded length	47 mm
Height	18 mm
Length	53 mm
Product weight	0.105 kg

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Dimensions Drawings

XS118BFPAL2

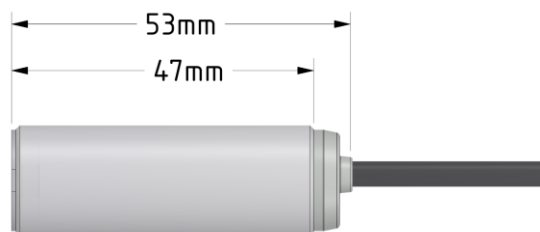
inductive sensor XS1 M18 - L53mm - brass - Sn:5mm - 12..24VDC - Cable
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Environment characteristics

Product certifications	CSA
	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 60068-2-27

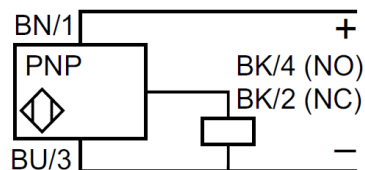
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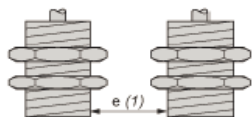


Full thread: 47mm

PNP



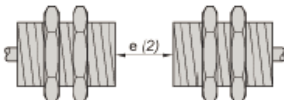
Side by side



e (1) 10 mm/0.39 in.

≥

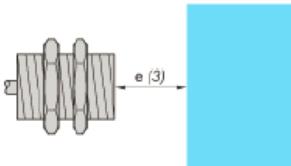
Face to face



e (2) 60 mm/2.36 in.

≥

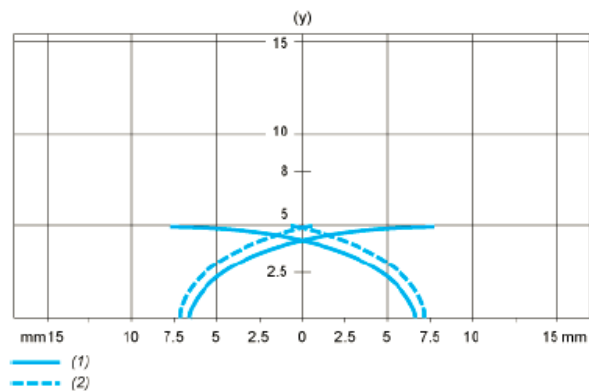
Facing a metal object



e (3) 15 mm/0.60 in

≥

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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