

Product datasheet

Specifications



inductive sensor XS1 Ø4 - L29mm - brass - Sn1mm - 5..24VDC - cable 2m

Local distributor code: 22489638 XS1L04PA310

EAN Code : 3389110910025

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical Ø 4 mm plain
Size	28 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	1 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	5...24 V DC
Switching capacity in mA	<= 100 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...0.8 mm
Cable composition	3 x 0.11 mm ²

Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	5...30 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Marking	CE
Threaded length	0 mm
Length	28 mm
Net weight	0.025 kg

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.100 cm
Package 1 Width	9.500 cm
Package 1 Length	13.000 cm
Package 1 Weight	28.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	864.000 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

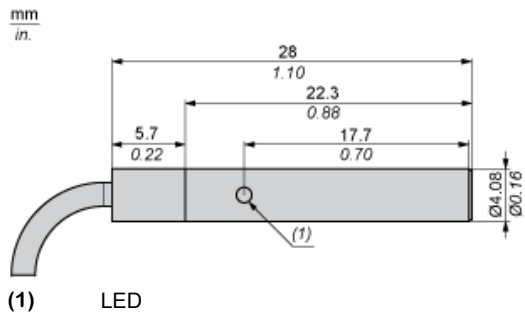
Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)

Contractual warranty

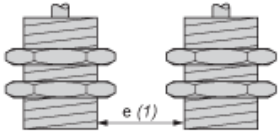
Warranty 18 months

Dimensions



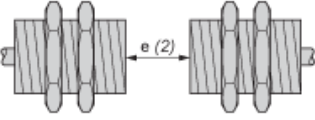
Minimum Mounting Distances in mm

Side by side



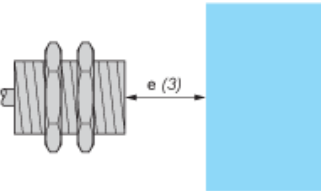
$e (1) \geq 2 \text{ mm} / 0.79 \text{ in.}$

Face to face



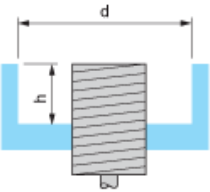
$e (2) \geq 12 \text{ mm} / 0.47 \text{ in.}$

Facing a metal object



$e (3) \geq 3 \text{ mm} / 0.12 \text{ in.}$

Mounted in a metal support

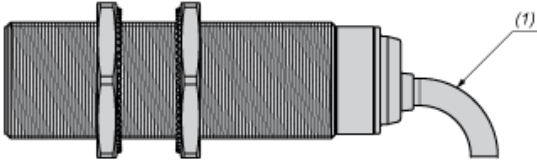


$d \geq 4 \text{ mm} / 0.16 \text{ in.}$

$h \geq 0 \text{ mm} / 0 \text{ in.}$

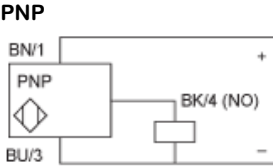
Tightening torque : 1.6 N.m. (values obtained with washers mounted)

Mounting



(1) Bending cable: 4 x external cable diameter

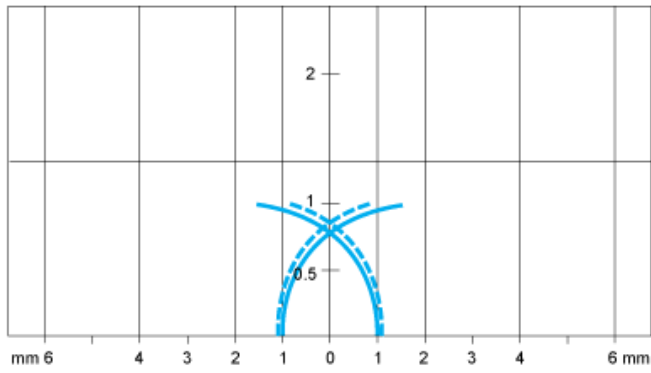
Wiring Schemes



- BU :** Blue
- BN :** Brown
- BK :** Black

Performance Curves

Standard Steel Target (mm) : 5x5x1



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

Recommended replacement(s)