Product data sheet Characteristics

XS1L04PA310

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





Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical Ø 4 mm plain
Size	29 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	0.04 in (1 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	524 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection
IP degree of protection	IP67 IEC 60529

Complementary

Complementary	
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Operating zone	0.000.03 in (00.8 mm)
Cable composition	3 x 0.11 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	530 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	0.00 in (0 mm)
Height	0.16 in (4 mm)
Length	1.10 in (28 mm)
Net Weight	0.06 lb(US) (0.025 kg)

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient air temperature for storage	-40185 °F (-4085 °C)
Vibration resistance	25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	00785901828839	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.09 lb(US) (0.04 kg)	
Returnability	Yes	
Country of origin	FR	

Packing Units

1 doking office	
Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	1.66 oz (47 g)
Package 2 Height	0.39 in (1 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	22
Package 3 Weight	2.94 lb(US) (1.334 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

Green Premium product
WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
[™] REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EPEU RoHS Declaration
Yes
€Yes
Product Environmental Profile
☑ End Of Life Information

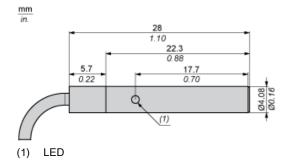
Contractual warranty

Warranty	18 months	

Product data sheet Dimensions Drawings

XS1L04PA310

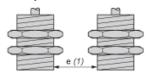
Dimensions



XS1L04PA310

Minimum Mounting Distances in mm

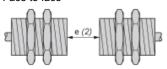
Side by side



e (1) 2 mm/0.79 in.

2

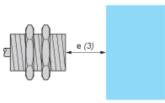
Face to face



e (2) 12 mm/0.47 in.

≥

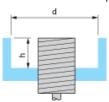
Facing a metal object



e (3) 3 mm/0.12 in.

≥ `

Mounted in a metal support

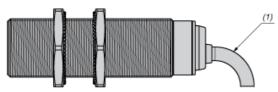


d ≥ 4 mm/0.16 in.

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

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

Mounting

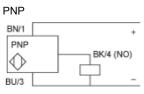


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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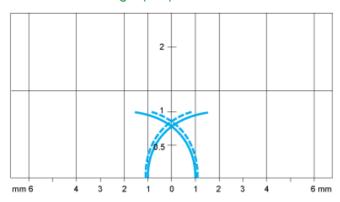
Wiring Schemes



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