### **XS106B3PAL5**

inductive sensor XS1 Ø6.5, L33mm, stainless, Sn2.5mm, 12..24VDC, cable 5m



#### Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical Ø 6.5 mm plain
Size	33 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	2.5 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	1224 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 IEC 60529

#### Complementary

Complementary	
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	02 mm
Differential travel	115% of Sr
Cable composition	3 x 0.11 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Length	33 mm
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The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

#### **Environment**

Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 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

#### Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	☑ End of Life Information
California proposition 65	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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

#### Contractual warranty

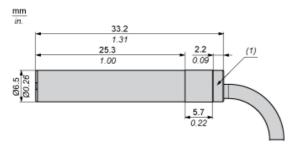
Warranty	18 months



# Product data sheet Dimensions Drawings

# XS106B3PAL5

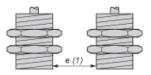
#### **Dimensions**



(1) LED

#### Minimum Mounting Distances in mm

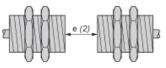
#### Side by side



e (1) 5 mm/0.20 in.

2

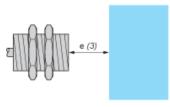
Face to face



e (2) 30 mm/1.18 in.

≥

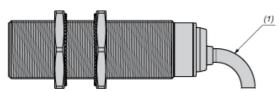
Facing a metal object



e (3) 8 mm/0.31 in.

≥ `

#### Mounting

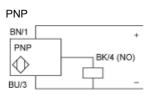


(1) Bending cable: 4 x external cable diameter

## Product data sheet Connections and Schema

# XS106B3PAL5

#### Wiring Schemes

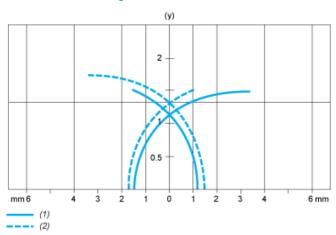


BU: Blue BN: Brown BK: Black

## XS106B3PAL5

#### **Performance Curves**

#### Standard Steel Target: 8x8x1 mm



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