# XS230BLPAL2

inductive sensor XS2 M30, L57mm, brass, Sn15mm, 12..24VDC, cable 2m



#### Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M30
Size	57 mm
Body type	Fixed
Enclosure Material	Nickel Plated Brass
Type of output signal	Discrete
Wiring Technique	3-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	1224 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

#### Complementary

Complementary	
ISO thread	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Front material	PBT
Operating zone	0.000.47 in (012 mm)
Differential travel	115% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm²
Wire insulation material	PVC
Status LED	Output state 1 LED yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 300 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.2 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	1.26 in (32 mm)
Length	2.24 in (57 mm)
Net Weight	0.34 lb(US) (0.155 kg)
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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	-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	US10DS222414
Discount Schedule	0DS2
GTIN	3389119003438
Returnability	Yes
Country of origin	ID

# **Packing Units**

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.18 in (3.000 cm)
Package 1 Width	3.94 in (10.000 cm)
Package 1 Length	5.12 in (13.000 cm)
Package 1 Weight	6.60 oz (187.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	15.76 lb(US) (7.150 kg)

## Offer Sustainability

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

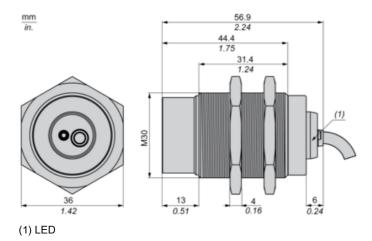
## Contractual warranty

Warranty	18 months
viairanty	To months



# XS230BLPAL2

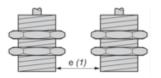
## **Dimensions**



# XS230BLPAL2

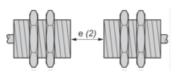
## Minimum Mounting Distances

#### Side by side

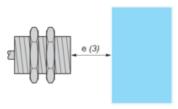


e (1)  $\geq$  60 mm/2.36 in.

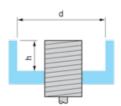
#### Face to face



e (2) ≥ 180 mm/7.09 in. Facing a metal object



e (3) ≥ 45 mm/1.77 in. Mounted in a metal support



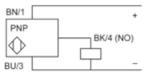
 $d \ge 90 \text{ mm/}3.54 \text{ in.}$ h ≥ 30 mm/1.18 in.

# Product data sheet Connections and Schema

# XS230BLPAL2

## Wiring Schemes





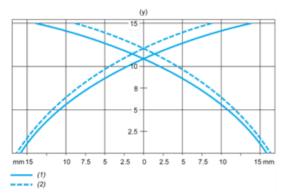
BU : Blue BN : Brown BK : Black

# Product data sheet Performance Curves

# XS230BLPAL2

## **Performance Curves**

## Standard Steel Target: 45x45x1 mm



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