

# Product data sheet

## Characteristics

# XS612B1PBL2

inductive sensor XS6 M12 - L53mm - brass -  
Sn4mm - 12..48VDC - cable 2m

Product availability : Stock - Normally stocked in distribution facility



Price\* : 65.49 USD



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M12
Size	53 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	0.16 in (4 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

### Complementary

Thread type	M12 x 1
Detection face	Frontal

Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...0.13 in (0...3.2 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.09 in (53 mm)
Product weight	0.17 lb(US) (0.075 kg)

## Environment

Product certifications	CSA E2 UL
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901520429
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20999999999999999
Returnability	Y
Country of origin	ID

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0808 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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