

## xs612b1nbl2

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



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	-
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	4 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	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 IP69 K conforming to DIN 40050

### Complementary

ISO thread	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	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) for 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	42 mm
Length	53 mm
Product weight	0.075 kg

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## Environment

Product certifications	CSA UL
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 (duration = 11 ms) conforming to IEC 60068-2-27

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0810 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available