

# Product data sheet

## Characteristics

# XS612B1DBL2

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



Product availability: Non-Stock - Not normally stocked in distribution facility

### Main

Commercial Status	Commercialised
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	2-wire
[Sn] nominal sensing distance	0.16 in (4 mm)
Discrete output function	1 NC
Output circuit type	DC
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	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP69 K conforming to DIN 40050 IP68 double insulation conforming to IEC 60529

### Complementary

ISO thread	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	2 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	<= 2000 Hz DC
Voltage drop	<= 4 V, closed state
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.3 ms
Marking	CE
Threaded length	1.65 in (42 mm)

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Length	2.09 in (53 mm)
Product weight	0.17 lb(US) (0.075 kg)

## Environment

Product certifications	CSA 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	003389119045766
Nbr. of units in pkg.	1
Package weight(Lbs)	0.17
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1004 -  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available  Download Product Environmental
Product end of life instructions	Available  Download End Of Life Manual

## Contractual warranty

Period	18 months
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