



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS6
Sensor design	Cylindrical M12
Size	55 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.2 in (5 mm) non flush mountable 0.13 in (3.4 mm) flush mountable
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Remote male connector M12 4 pins
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA with overload and short-circuit protection
IP degree of protection	IP67 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
Fine adjustment zone	0.07...0.13 in (1.7...3.4 mm) flush mountable 0.07...0.2 in (1.7...5 mm) non flush mountable
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED (green) supply on and teach mode 1 LED (yellow) output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.32 in (59 mm)
Product weight	0.22 lb(US) (0.1 kg)

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

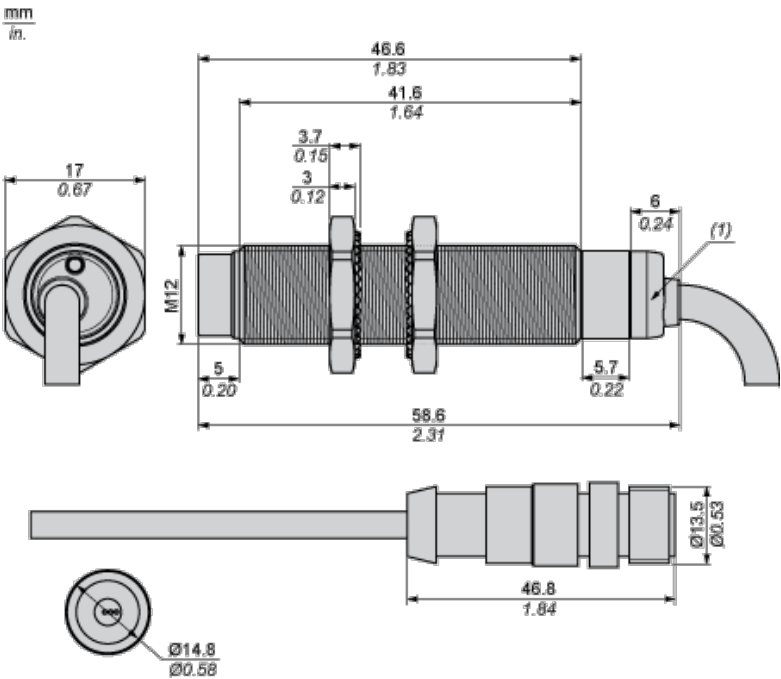
Offer Sustainability

Not Green Premium product	Not Green Premium product
Will be Compliant on 3Q2013	Will be Compliant on 3Q2013 Will be Compliant on 3Q2013
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to www.p65warnings.ca.gov

Contractual warranty

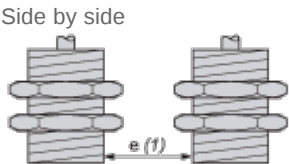
Warranty period	18 months
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Dimensions



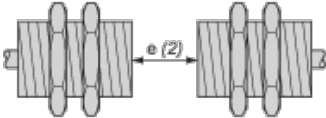
(1) LED

Minimum Mounting Distances in mm



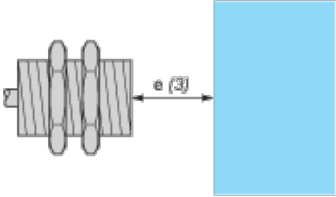
e (1)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 14	≥ 0.55	50	1.97

Face to face



e (2)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 50	≥ 1.97	100	3.94

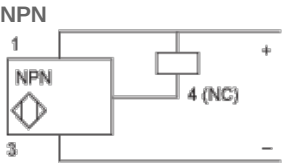
Facing a metal object



e (3)	
mm	in.
≥ 3.4	≥ 0.13

Wiring Schemes

M12 connector



- 1 : (+)
- 2 : NC Output
- 3 : (-)
- 4 : Not connected