



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M12
Size	52 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
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	AC/DC
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	24...240 V AC/DC, 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0...0.13 in (0...3.2 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 0.6 mA (open state)
Switching frequency	<= 25 Hz (AC) <= 3000 Hz (DC)
Voltage drop	<= 5.5 V (closed)
Delay first up	<= 40 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Height	0.47 in (12 mm)
Length	2.05 in (52 mm)
Product weight	0.14 lb(US) (0.065 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics 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	CCC CSA UL Ecolab
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

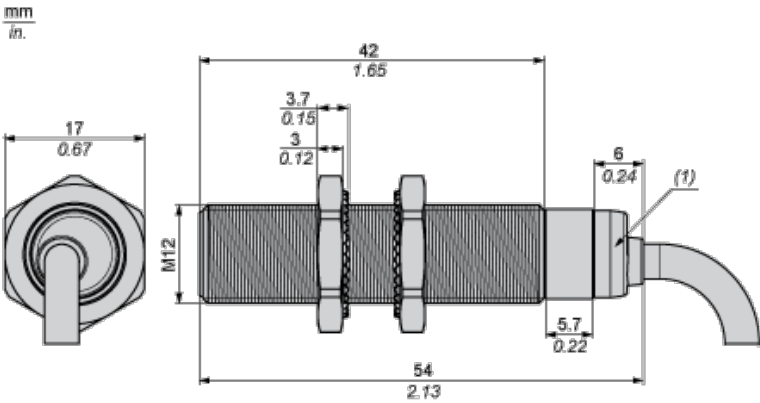
Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0840 - Schneider Electric declaration of conformity	Compliant - since 0840 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
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

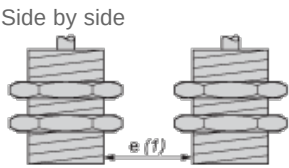
Warranty period	18 months
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Dimensions



(1) LED

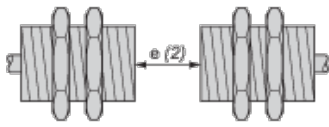
Minimum Mounting Distances



e (1) 16 mm/0.63 in.

≥

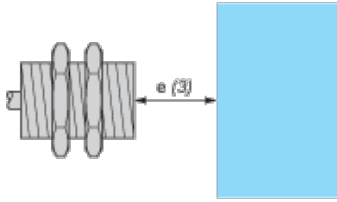
Face to face



e (2) 48 mm/1.89 in.

≥

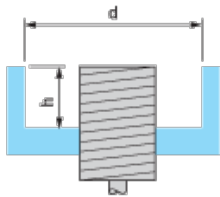
Facing a metal object



e (3) 12 mm/0.47 in.

≥

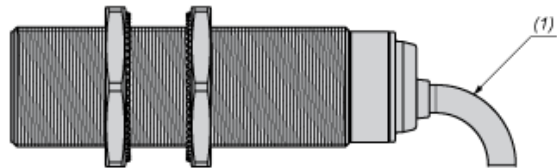
Mounted in a metal support



d ≥ 36 mm/1.42 in.

h ≥ 8 mm/0.31 in.

Mounting

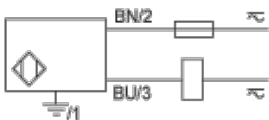


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output

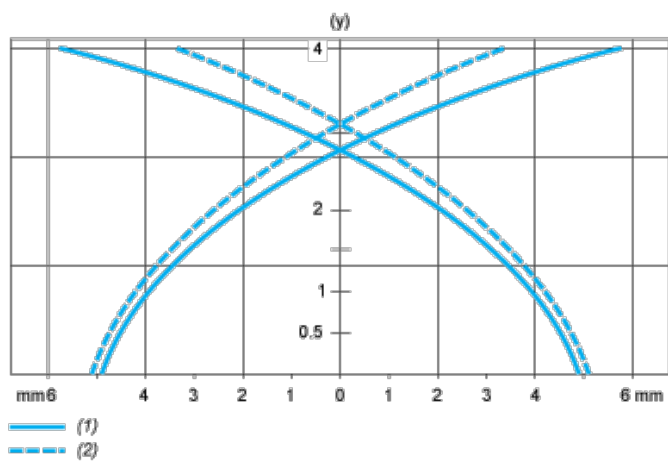


BU : Blue

BN : Brown

Performance Curves

Standard Steel Target : 12x12x1 mm



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