



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Factor 1 (Fe/Nfe)
Sensor name	XS1
Sensor design	Cylindrical M30
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Enclosure material	Stainless steel : 304 CU
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Operating zone	0...0.31 in (0...8 mm)
Differential travel	1...15% of Sr
Repeat accuracy	3% of Sr
Cable composition	4 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED yellow output state
Supply voltage limits	10...38 V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2.6 V at closed state
Current consumption	0...15 mAat no-load
Delay first up	<= 5 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Height	1.18 in (30 mm)
Length	2.36 in (60 mm)
Product weight	0.45 lb(US) (0.205 kg)

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Environment	
product certifications	CSA UL

Offer Sustainability	
Not Green Premium product	Not Green Premium product
Compliant - since 1104 - Schneider Electric declaration of conformity	Compliant - since 1104 - Schneider Electric declaration of conformity
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

Dimensions

mm
in.

The technical drawing shows two views of the LED module. The top view is a hexagonal shape with a central circular feature. The side view shows the module's profile with various dimensions. A callout (1) points to the LED chip.

Dimension	Value (mm)	Value (in.)
Top View Width	36	1.42
Module Length	41.75	1.64
LED Chip Width	4.7	0.19
LED Chip Spacing	4	0.16
Module Width	53.75	2.12
LED Chip Height	5.7	0.22
Module Thickness	6	0.24

(1) LED

Minimum Mounting Distances

Side by side

e (1) 20 mm/0.79 in
≥

Face to face

e (2) 120 mm/4.72 in
≥

Facing a metal object

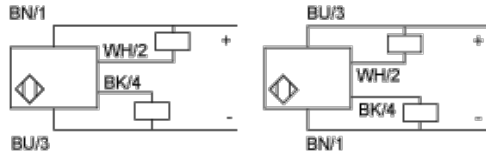


e (3) 30 mm/1.18 in.

≥

Wiring Schemes

4-Wire DC, PNP/NPN, NO or NC Output



BU : Blue

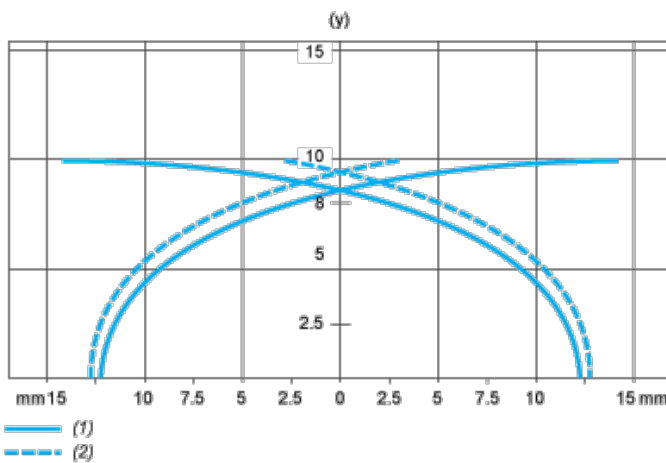
BN : Brown

BK : Black

WH : White

Performance Curves

Standard Steel Target : 30x30x1 mm



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