XS1M30AB120

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M30
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.04...0.39 in (1...10 mm)
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	10...36 V DC
Switching frequency	<= 300 Hz
Current consumption	4 mAat no-load
Output current drift	<= 10 %
Marking	CE
Threaded length	1.65 in (42 mm)
Height	1.18 in (30 mm)
Length	1.97 in (50 mm)
Product weight	0.44 lb(US) (0.2 kg)

Environment

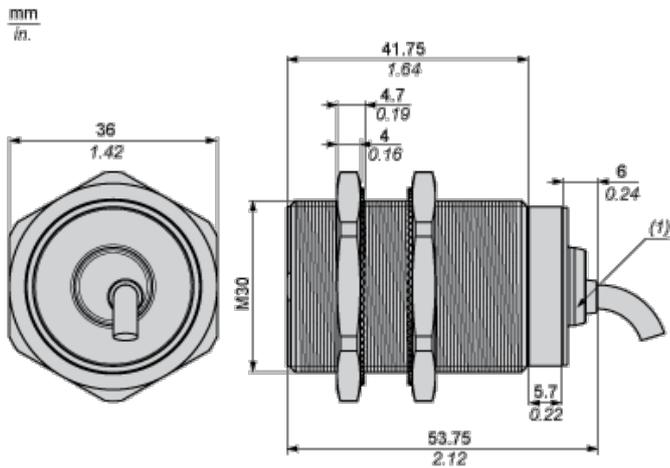|	
product certifications	CSA UL
ambient air temperature for operation	-13...158 °F (-25...70 °C)

Schneider Electric

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0812 - Schneider Electric declaration of conformity	Compliant - since 0812 - 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

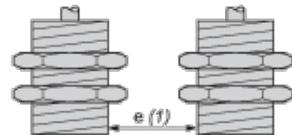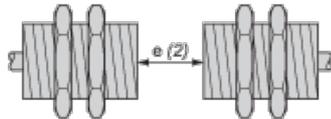|	
Warranty period	18 months

Dimensions

(1) LED

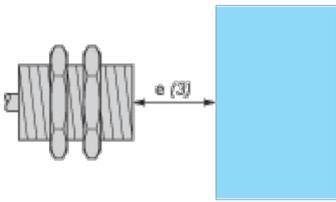## Minimum Mounting Distances

Side by side

e (1) 20 mm/0.79 in
≥

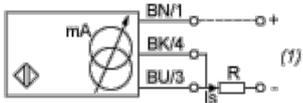Face to face

e (2) 120 mm/4.72 in
≥

Facing a metal object

e (3) 30 mm/1.18 in.
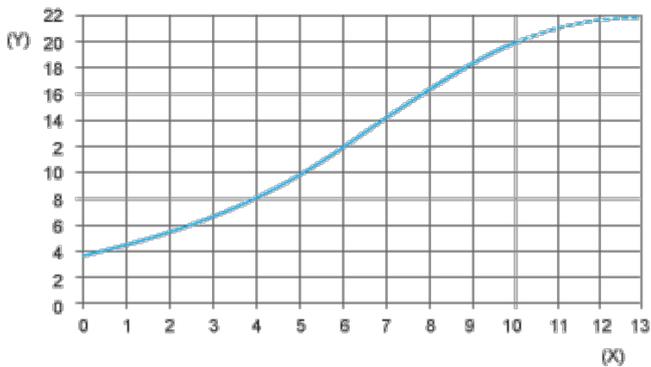≥

Wiring Schemes

2-Wire connection

(1) Output current

BN : Brown

BK : Black

BU : Blue

	Output current	Load impedance value
12 V	4...20 mA	R ≤ 8.2 Ω
24 V	4...20 mA	R ≤ 470 Ω

Output Curves

(Y) Is (mA)

(X) Sensors - object distance (mm)