



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Rotation monitoring
Sensor name	XSA
Sensor design	Cylindrical M30
Size	81 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	10 mm
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	10 m
[Us] rated supply voltage	24...210 V DC 24...240 V AC 50/60 Hz
Switching capacity in mA	5...200 mA DC 5...350 mA AC
IP degree of protection	IP67 conforming to IEC 60529



Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Sensing range	> 8...15 mm
Adjustable frequency range	120...3000 cyc/mn
Operating zone	0...8 mm
Differential travel	3...15% of Fr

Repeat accuracy	3% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state: 1 LED (red)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 800 Hz
Maximum voltage drop	<5.7 V (closed)
Run-up delay at power-up	3 s reduce
Marking	CE
Threaded length	67 mm
Length	81 mm
Net weight	0.3 kg

Environment

Product certifications	UL CCC CSA
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

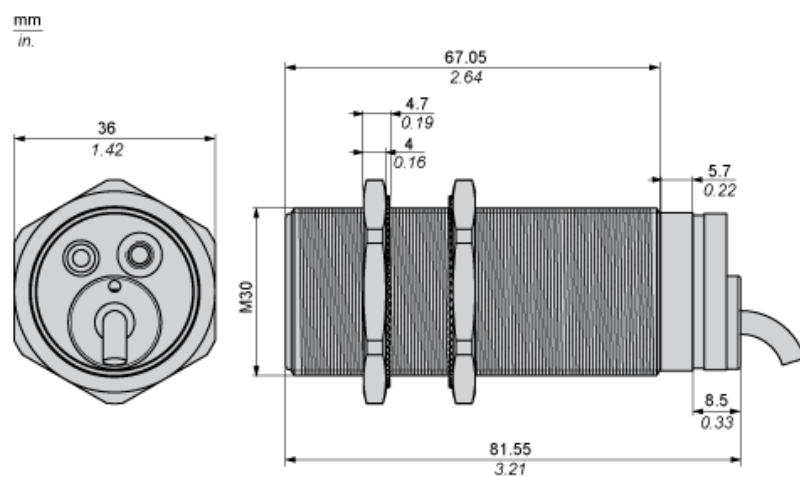
Packing Units

Package 1 Weight	0.642 kg
Package 1 Height	1.300 dm
Package 1 width	0.650 dm
Package 1 Length	0.950 dm

Contractual warranty

Warranty	18 months
----------	-----------

Dimensions



(1) LED

Minimum Mounting Distances

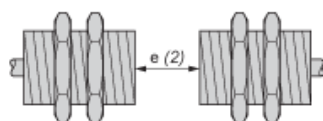
Side by side



e (1) 20 mm/0.79 in

≥

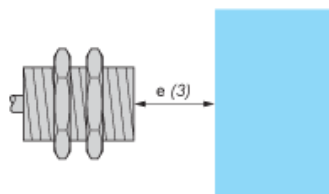
Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object

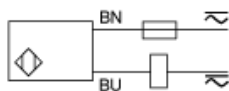


e (3) 30 mm/1.18 in.

≥

Wiring Schemes

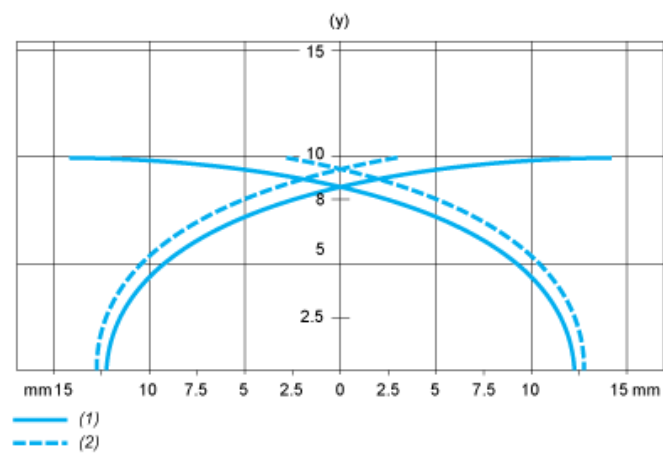
2-wire AC or DC



BU : Blue
BN : Brown

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