Product data sheet
Characteristics

XSAV11801
Inductive proximity sensors XS, Rotation monitoring, M30, Sn10mm, 6...150c/mn, 24...240VAC/DC, cable 2 m

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Product or component type	Sensor
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	2 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	6…150 cyc/mn
Operating zone	0…8 mm
Differential travel	3...15% of Fr
Repeat accuracy	3% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PVC
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	<= 100 Hz
Maximum voltage drop	<5.7 V (closed)
Run-up delay at power-up	9 s standard
Marking	CE

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.
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Threaded length	67 mm
Length	81 mm
Product weight	0.3 kg

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.100 cm
Package 1 Width	9.500 cm
Package 1 Length	13.200 cm
Package 1 Weight	226.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.230 kg

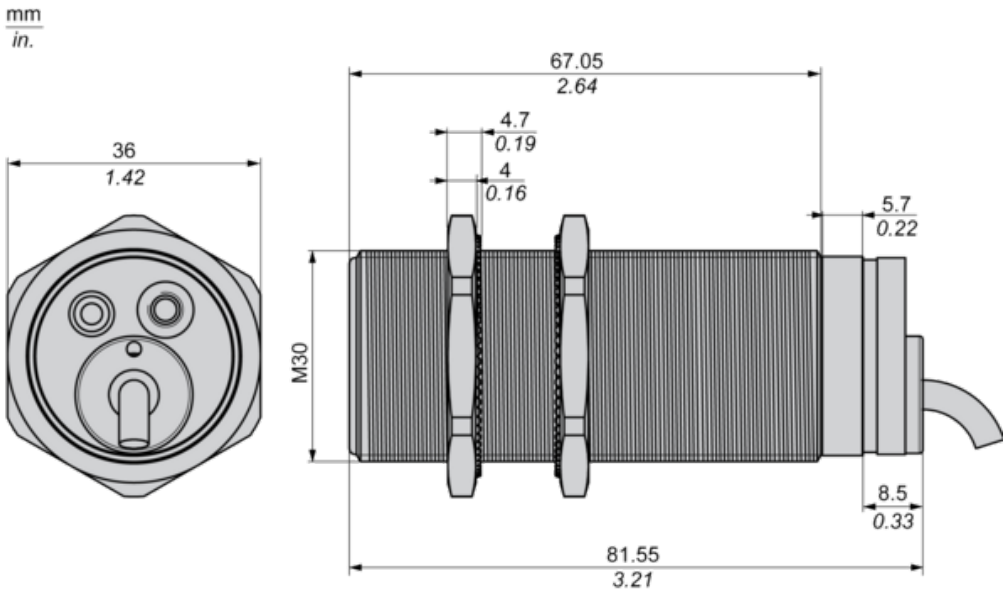
Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

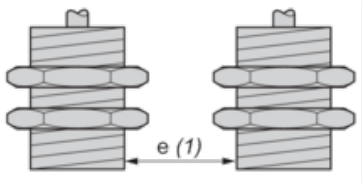
Dimensions



(1) LED

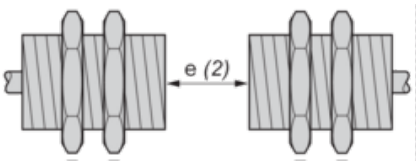
Minimum Mounting Distances

Side by side



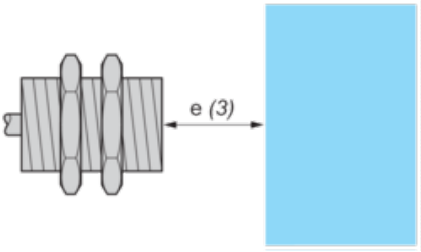
e (1) ≥ 20 mm/0.79 in

Face to face



e (2) ≥ 120 mm/4.72 in

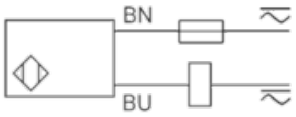
Facing a metal object



e (3) ≥ 30 mm/1.18 in.

Wiring Schemes

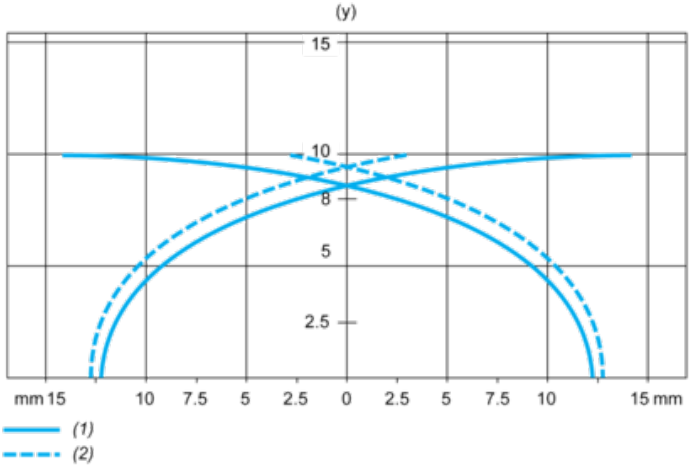
2-wire AC or DC



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