Product data sheet

Specifications



Inductive proximity sensors XS, Rotation monitoring, M30, Sn10mm, 120...3000c/mn, 24...240VAC/DC, cable 2 m

XSAV02801

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

Disclaimer: 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

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 mm²
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	0 s without
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	226.0 g
Package 1 Height	13.0 cm
Package 1 width	9.2 cm
Package 1 Length	4.6 cm
Unit Type of Package 2	S01
Number of Units in Package 2	9
Package 2 Weight	2.24 kg
Package 2 Height	15.0 cm
Package 2 width	15.0 cm
Package 2 Length	40.0 cm

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

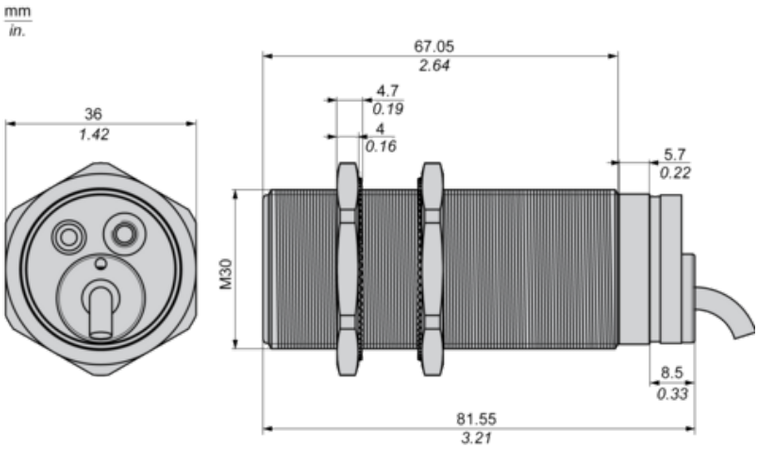
Contractual warranty

Warranty	18 months

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Dimensions Drawings

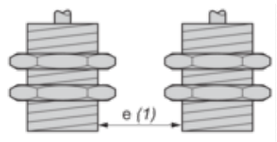
Dimensions



(1) LED

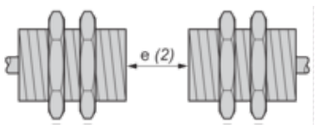
Minimum Mounting Distances

Side by side



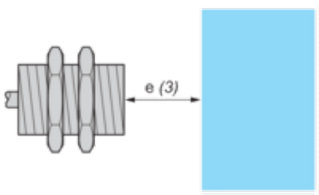
e (1) ≥ 20 mm/0.79 in

Face to face



e (2) ≥ 120 mm/4.72 in

Facing a metal object



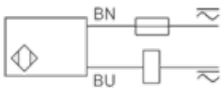
e (3) ≥ 30 mm/1.18 in.

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Connections and Schema

Wiring Schemes

2-wire AC or DC

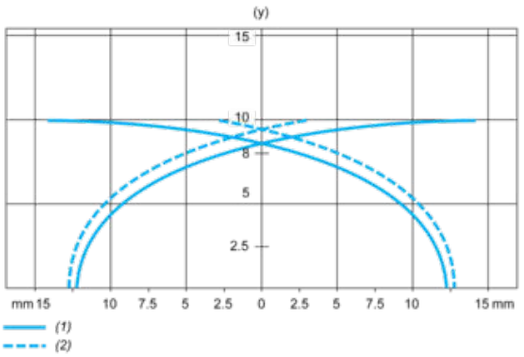


BU : Blue

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