Product data sheet

Specifications





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

XSAV11801

Main

- IVICAITI	
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	24210 V DC 24240 V AC 50/60 Hz
Switching capacity in mA	5200 mA DC 5350 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	> 815 mm

Adjustable frequency range	6150 cyc/mn
Operating zone	08 mm
Differential travel	315% 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	20264 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
Threaded length	67 mm
Length	81 mm
Net weight	0.3 kg

Environment

Product certifications	UL CSA CCC
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C

Packing Units

Package 2 Length	40 cm
Package 2 width	30 cm
Package 2 Height	15 cm
Package 2 Weight	5.31 kg
Number of Units in Package 2	22
Unit Type of Package 2	S02
Package 1 Length	13.2 cm
Package 1 width	9.5 cm
Package 1 Height	4.1 cm
Package 1 Weight	226 g
Number of Units in Package 1	1
Unit Type of Package 1	PCE

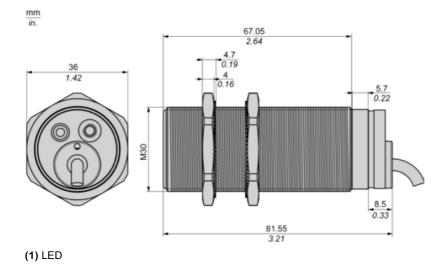
Offer Sustainability

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 Drawings

Dimensions

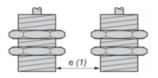


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Mounting and Clearance

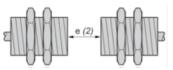
Minimum Mounting Distances

Side by side

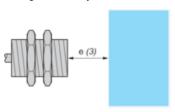


e (1) ≥ 20 mm/0.79 in

Face to face



e (2) ≥ 120 mm/4.72 in Facing a metal object



e (3) ≥ 30 mm/1.18 in.

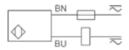
Product data sheet

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Connections and Schema

Wiring Schemes

2-wire AC or DC



BU: Blue **BN**: Brown

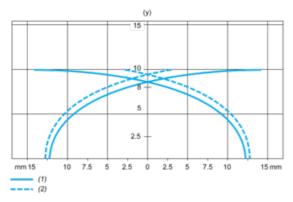
Product data sheet

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Performance Curves

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