Product data sheet Characteristics

XSAV11801

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





Main

Series name Application Product or component type 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 Material Metal Enclosure material Nickel plated brass Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type AC/DC Electrical connection Cable Cable length 2 m [Us] rated supply voltage 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA Science in Tech 60529	Range of product	Telemecanique Inductive proximity sensors XS
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Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type AC/DC Electrical connection Cable Cable length 2 m [Us] rated supply voltage 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Material	Metal
Wiring technique 2-wire [Sn] nominal sensing distance 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	Enclosure material	Nickel plated brass
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Discrete output function 1 NC Output circuit type AC/DC Electrical connection Cable Cable length 2 m [Us] rated supply voltage 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Wiring technique	2-wire
Output circuit type AC/DC Electrical connection Cable Cable length 2 m [Us] rated supply voltage 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC		10 mm
Electrical connection Cable Cable length 2 m [Us] rated supply 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Discrete output function	1 NC
Cable length 2 m [Us] rated supply 24210 V DC voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Output circuit type	AC/DC
[Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Electrical connection	Cable
voltage 24240 V AC 50/60 Hz Switching capacity in mA 5200 mA DC 5350 mA AC	Cable length	2 m
mA 5350 mA AC		
IP degree of protection IP67 conforming to IEC 60529		
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Complementary

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

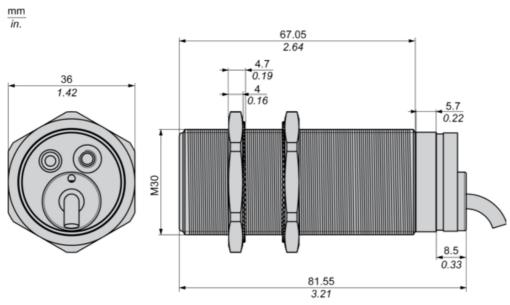
Threaded length	67 mm	
Length	81 mm	
Net weight	0.3 kg	
Environment		
Product certifications	UL CSA CCC	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Packing Units		
Packing Units		
Unit Type of Package 1	PCE	
Unit Type of Package 1 Number of Units in Package 1	1	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height	1 4.1 cm	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width	1 4.1 cm 9.5 cm	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length	1 4.1 cm 9.5 cm 13.2 cm	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight	1 4.1 cm 9.5 cm	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length	1 4.1 cm 9.5 cm 13.2 cm 223.0 g	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2	1 4.1 cm 9.5 cm 13.2 cm 223.0 g S02	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2 Number of Units in Package 2	1 4.1 cm 9.5 cm 13.2 cm 223.0 g S02	
Unit Type of Package 1 Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2 Number of Units in Package 2 Package 2 Height	1 4.1 cm 9.5 cm 13.2 cm 223.0 g S02 22 15.0 cm	

Green Premium product
REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope)
Yes
₫Yes
Product Environmental Profile
☑ End Of Life Information

Contractual warranty

Contractadi Warranty		
Warranty	18 months	

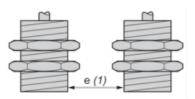
Dimensions



XSAV11801

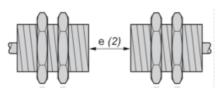
Minimum Mounting Distances

Side by side

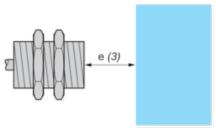


e (1) \geq 20 mm/0.79 in

Face to face



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



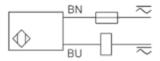
e (3) \geq 30 mm/1.18 in.

Product data sheet Connections and Schema

XSAV11801

Wiring Schemes

2-wire AC or DC

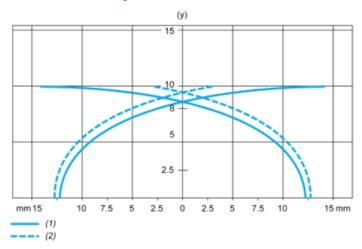


BU : Blue BN : Brown

XSAV11801

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