Product data sheet
Characteristics

XSAV12373L05

Inductive proximity sensors XS, Rotation monitoring, M30, Sn10mm, 120...3000c/mn, 12...48 VDC, cable 5 m

Green Premium™ Product

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	3-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	12...48 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Sensing range	> 0.31...0.59 in (> 8...15 mm)
Adjustable frequency range	120…3000 cyc/mn
Operating zone	0.00…0.31 in (0…8 mm)
Differential travel	3...15% of Fr
Repeat accuracy	3% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED red)
Supply voltage limits	10…58 V DC
Switching frequency	<= 800 Hz
Maximum voltage drop	<1.8 V closed)
Current consumption	0...15 mA no-load
Run-up delay at power-up	9 s standard

Marking	CE
Threaded length	2.64 in (67 mm)
Length	3.19 in (81 mm)
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Product certifications	UL CCC CSA
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110658989
Nbr. of units in pkg.	1
Package weight(Lbs)	12.52 oz (355.0 g)
Returnability	No
Country of origin	FR

Packing Units

|	
Unit Type of Package 1	PCE
Package 1 Height	3.78 in (9.6 cm)
Package 1 width	2.64 in (6.7 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Weight	11.96 lb(US) (5.425 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
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

Contractual warranty

Warranty	18 months

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Dimensions

mm
in.

36
1.42

M30

67.05
2.64

4.7
0.19

4
0.16

5.7
0.22

8.5
0.33

81.55
3.21
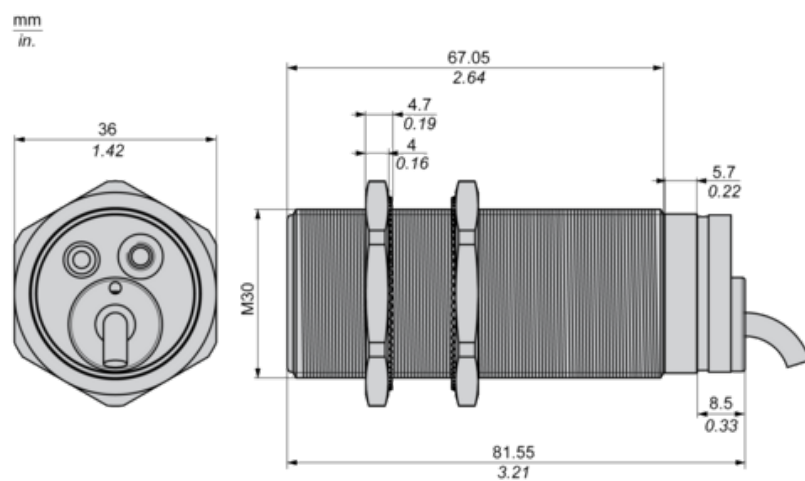
(1) LED

Minimum Mounting Distances

Side by side

e (1) ≥ 20 mm/0.79 in

Face to face
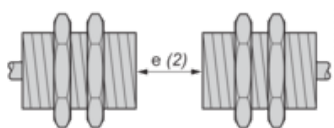
e (2) ≥ 120 mm/4.72 in

Facing a metal object

e (3) ≥ 30 mm/1.18 in.

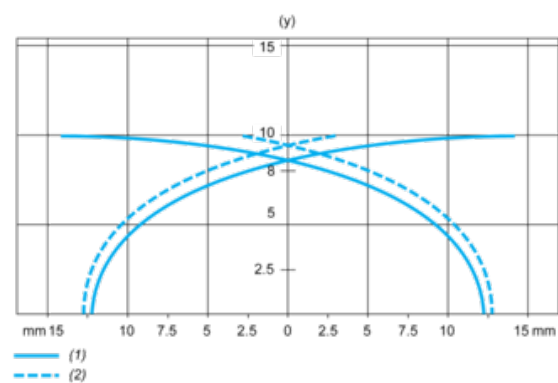Life Is On | Schneider Electric
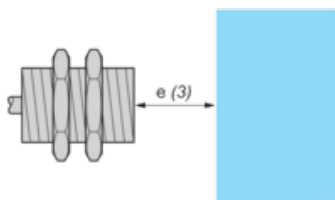
Wiring Schemes

3-wire DC
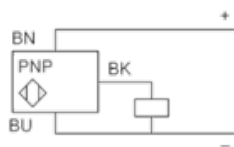
BU : Blue
BN : Brown
BK : Black

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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

Mouser Electronics

Authorized Distributor

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