Product data sheet Characteristics

XS912S1PAM12

inductive sensor XS9 M12 - L60mm - full SS 316L - Sn6 mm - 12..24VDC - M12



Main Range of product OsiSense XS Series name Application Sensor type Inductive proximity sensor Food and beverage Device application Pharmaceutical Market segment XS9 Sensor name Cylindrical M12 Sensor design Size 60 mm Body type Single piece body Enclosure material Stainless steel 316L Type of output signal Discrete Wiring technique 3-wire 0.24 in (6 mm) [Sn] nominal sensing distance Discrete output function 1 NO PNP Discrete output type Electrical connection Male connector M12, 4 pins [Us] rated supply 12...24 V DC reverse polarity protection voltage Switching capacity in <= 200 mA overload and short-circuit protection mΑ IP degree of protection IP69K DIN 40050

IP68 IEC 60529

Complementary

Complementary	
Thread type	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 316L
Front material	Stainless steel 316L
Sensing range	> 0.160.31 in (> 48 mm)
Operating zone	0.000.19 in (04.8 mm)
Differential travel	115 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	1030 V DC
Maximum residual current	0.1 mA open state
Switching frequency	<= 600 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	40 ms
Maximum delay response	0.00006 ms
Maximum delay recovery	0.015 ms
Marking	CE
Threaded length	1.61 in (41 mm)
Height	0.47 in (12 mm)

Length	2.36 in (60 mm)	
Net weight	0.05 lb(US) (0.024 kg)	
Environment		
Product certifications	CULus Ecolab	
Ambient air temperature for operation	-13185 °F (-2585 °C)	
Ambient air temperature for storage	-13185 °F (-2585 °C)	
Vibration resistance	25 gn +/- 1 mm 1055 Hz)IEC 60068-2-6	
Shock resistance	30 gn 11 msIEC 60068-2-27	
Ordering and shipping details	2240C CENCODO PROVINITY	
Category	22486 - SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	00785901860419	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.07 lb(US) (0.03 kg)	
Returnability	No	
Country of origin	HU	
Da akin a Unita		
Packing Units Unit Type of Package 1	PCE	
Package 1 Height	0.71 in (1.8 cm)	
Package 1 meight	0.71 in (1.8 cm)	
Package 1 Length	7.44 in (18.9 cm)	
Unit Type of Package 2	S01	
Number of Units in Package 2	25	
Package 2 Weight	2.32 lb(US) (1.052 kg)	
Package 2 Height	5.91 in (15 cm)	
Package 2 width	5.91 in (15 cm)	
i ackaye z widili	3.31 III (13 GIII <i>)</i>	

Offer Sustainability

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
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REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Yes
₫Yes

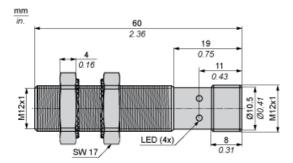
Contractual warranty

Warranty	18 months
vvarranty	10 11011113

Product data sheet Dimensions Drawings

XS912S1PAM12

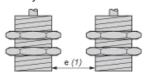
Dimensions



XS912S1PAM12

Minimum Mounting Distances in mm

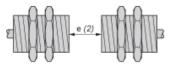
Side by side



e (1) 38 mm/1.50 in.

2

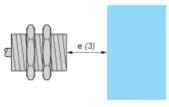
Face to face



e (2) 30 mm/1.18 in.

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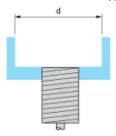
Facing a metal object



e (3) 20 mm/0.79 in.

≥

Mounted in a metal support



d ≥ 24 mm/0.94 in.

Product data sheet Connections and Schema

XS912S1PAM12

Wiring Schemes

M12 connector





1 : 2 : 3 :

(+) Not connected

3 : (-) 4 : NO Output