Product data sheet Characteristics

XS912S4PAM12

inductive sensor XS9 M12 - L60mm - full SS 316L - Sn10 mm - 12..24VDC - M12



Main Range of product OsiSense XS Series name Application Sensor type Inductive proximity sensor Device application Food and beverage Market segment Pharmaceutical Sensor name XS9 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 0.39 in (10 mm) [Sn] nominal sensing distance Discrete output function 1 NO PNP Discrete output type

Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	1224 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP69K DIN 40050

Complementary

Complementary	
Thread type	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel 316L
Front material	Stainless steel 316L
Sensing range	> 0.310.59 in (> 815 mm)
Operating zone	0.000.31 in (08 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	<= 400 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	1.42 in (36 mm)
Maximum Height	0.47 in (12 mm)

Length	2.36 in (60 mm)
Net Weight	0.05 lb(US) (0.023 kg)

Environment

Product certifications	Ecolab CULus
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

0 11 0	
Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901235163
Nbr. of units in pkg.	1
Package weight(Lbs)	0.07 lb(US) (0.03 kg)
Returnability	No
Country of origin	HU

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	0.28 in (0.7 cm)	
Package 1 width	7.48 in (19 cm)	
Package 1 Length	8.27 in (21 cm)	

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes

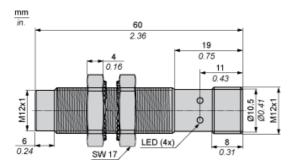
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

XS912S4PAM12

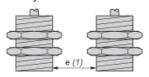
Dimensions



XS912S4PAM12

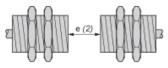
Minimum Mounting Distances in mm

Side by side



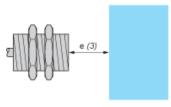
e (1) 108 mm/4.25 in.

Face to face



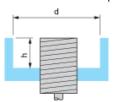
e (2) 40 mm/1.57 in.

Facing a metal object



e (3) 30 mm/0.18 in.

Mounted in a metal support



30 mm/0.18 in. 22 mm/0.87 in.

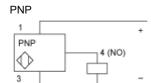
Product data sheet Connections and Schema

XS912S4PAM12

Wiring Schemes

M12 connector





1 : 2 : 3 : (+) Not connected

3 : (-) 4 : NO Output