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
Sensor design	Cylindrical M12
Size	60 mm
Body type	Single piece body
Enclosure material	Stainless steel 316L
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP69K DIN 40050 IP68 IEC 60529

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	> 0.31...0.59 in (> 8...15 mm)
Operating zone	0.00…0.31 in (0…8 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…30 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	-13…185 °F (-25…85 °C)
Ambient air temperature for storage	-13…185 °F (-25…85 °C)
Vibration resistance	25 gn +/- 1 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 msIEC 60068-2-27

Ordering and shipping details

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) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

Dimensions

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

d ≥ 30 mm/0.18 in.
h ≥ 22 mm/0.87 in.

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Wiring Schemes

M12 connector

PNP

1 :   (+)
2 :   Not connected
3 :   (-)
4 :   NO Output