### Product data sheet Characteristics

# XS918S1PAM12

inductive sensor XS9 M18 - L64mm - full SS 316L - Sn10mm - 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 M18
Size	64 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	1224 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

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	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	<= 300 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	1.65 in (42 mm)
Height	0.71 in (18 mm)

Length	2.52 in (64 mm)
Net weight	0.11 lb(US) (0.051 kg)
Environment	
Product certifications	Ecolab
Froduct Certifications	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	2040C CENCODO DDOVIMITY
Category  Discount Schoolule	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901860747
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14 lb(US) (0.06 kg)
Returnability	Yes
Country of origin	HU
Packing Units	
Package 1 Height	0.300 dm
Package 1 width	2.100 dm
Package 1 Length	1.900 dm
Offer Sustainability	
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
O and the advised a second	
Contractual warranty	

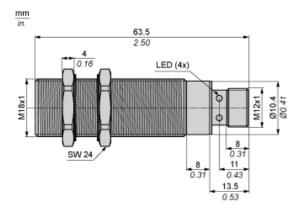
18 months

Warranty

# Product data sheet Dimensions Drawings

# XS918S1PAM12

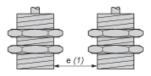
#### **Dimensions**



## XS918S1PAM12

#### Minimum Mounting Distances

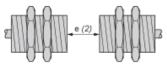
#### Side by side



e (1) 42 mm/1.65 in.

2

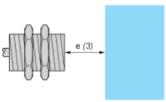
Face to face



e (2) 40 mm/1.57 in.

≥

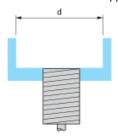
Facing a metal object



e (3) 30 mm/1.18 in

≥ `

Mounted in a metal support



d ≥ 50 mm/1.97 in

### Product data sheet Connections and Schema

# XS918S1PAM12

### Wiring Schemes

#### M12 connector



PNP

