Product datasheet
Characteristics

XS930S1PAM12
inductive sensor XS9 M30 - L64mm - full SS 316L - Sn20 mm - 12..24VDC - M12

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Food and beverage
Sensor name	XS9
Sensor design	Cylindrical M30
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	20 mm
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 316L
Front material	Stainless steel 316L
Operating zone	> 0...16 mm
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	1 LED yellow for output state
Supply voltage limits	10...30 V DC
Residual current	<= 0.1 mA for open state
Switching frequency	<= 100 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 40 ms
Delay response	<= 6E-05 ms
Delay recovery	<= 0.015 ms
Marking	CE
Threaded length	42 mm
Height	30 mm
Length	64 mm

Environment

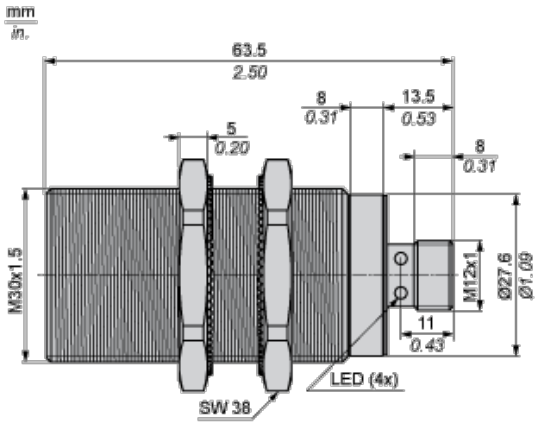
product certifications	CULus

	Ecolab
ambient air temperature for operation	-25...85 °C
ambient air temperature for storage	-25...85 °C
vibration resistance	25 gn amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27

Offer Sustainability

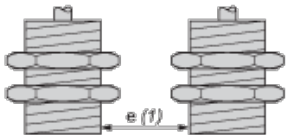
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1206 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

Dimensions



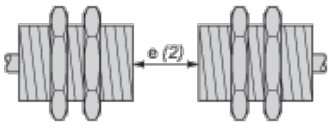
Minimum Mounting Distances in mm

Side by side



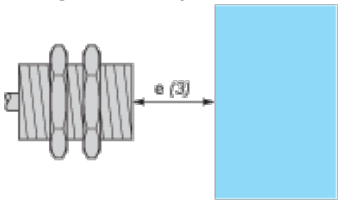
e (1) 80 mm/3.15 in.
≥

Face to face



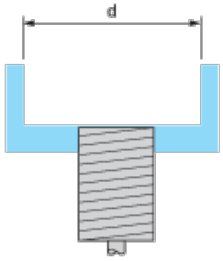
e (2) 70 mm/2.76 in.
≥

Facing a metal object



e (3) 60 mm/2.36 in.
≥

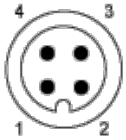
Mounted in a metal support



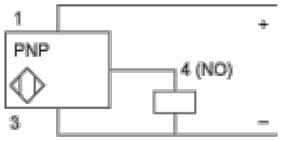
d ≥ 90 mm/3.54 in.

Wiring Schemes

M12 connector



PNP



1 : (+)

2 : Not connected

3 : (-)

4 : NO Output