



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 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	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

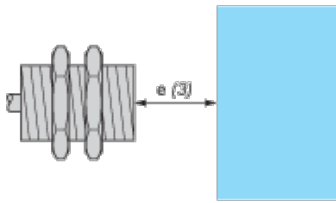
Complementary

Thread type	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 316L
Front material	Stainless steel 316L
Operating zone	> 0...0.31 in (> 0...8 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	1 LED yellow output state
Supply voltage limits	10...30 V DC
Residual current	<= 0.1 mA for open state
Switching frequency	<= 300 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 40 ms
Delay response	<= 0.00006 ms
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)
Product weight	0.11 lb(US) (0.051 kg)

Environment

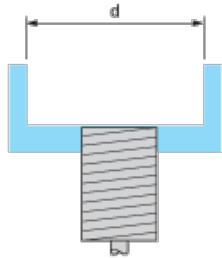
product certifications	CULus
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e (3) 30 mm/1.18 in
 $\geq$

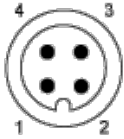
Mounted in a metal support



d $\geq$ 50 mm/1.97 in

Wiring Schemes

M12 connector



PNP

