

Product Datasheet

Characteristic

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
sensor name	XS9
sensor design	cylindrical M18
size	2.52 in (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	IP69K conforming to DIN 40050 IP68 conforming to IEC 60529

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 mAfor 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 Ecolab
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 amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1206 -
REACH	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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