# XS230AAPAM12

inductive sensor XS2 M30 - L70mm - PPS -Sn22mm - 12..48VDC - M12





#### Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Food and beverage
Sensor name	XS2
Sensor design	Cylindrical M30
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	22 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	1248 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Detection face Frontal Front material PPS Enclosure material PPS Operating zone 017.6 mm Differential travel 115% of Sr Status LED 1 LED yellow for output state Supply voltage limits 1058 V DC Switching frequency <= 500 Hz Voltage drop <= 2 V at closed state Current consumption <= 10 mA at no-load Delay first up <= 10 mS Delay response <= 0.6 ms Delay recovery <= 1.4 ms Marking CE Threaded length 52 mm Length 70 mm	Complementary	
Front material PPS Enclosure material PPS Operating zone 017.6 mm Differential travel 115% of Sr Status LED 1 LED yellow for output state Supply voltage limits 1058 V DC Switching frequency <= 500 Hz Voltage drop <= 2 V at closed state Current consumption <= 10 mA at no-load Delay first up <= 10 ms Delay response <= 0.6 ms Delay recovery <= 1.4 ms Marking CE Threaded length 52 mm Length 70 mm	Thread type	M30 x 1.5
Enclosure material PPS Operating zone 017.6 mm Differential travel 115% of Sr Status LED 1 LED yellow for output state Supply voltage limits 1058 V DC Switching frequency <= 500 Hz Voltage drop <= 2 V at closed state Current consumption <= 10 mA at no-load Delay first up <= 10 ms Delay response <= 0.6 ms Delay recovery <= 1.4 ms Marking CE Threaded length 52 mm Length 70 mm	Detection face	Frontal
Operating zone         017.6 mm           Differential travel         115% of Sr           Status LED         1 LED yellow for output state           Supply voltage limits         1058 V DC           Switching frequency         <= 500 Hz	Front material	PPS
Differential travel 115% of Sr Status LED 1 LED yellow for output state Supply voltage limits 1058 V DC Switching frequency <= 500 Hz Voltage drop <= 2 V at closed state Current consumption <= 10 mA at no-load  Delay first up <= 10 ms Delay response <= 0.6 ms Delay recovery <= 1.4 ms Marking CE Threaded length 52 mm Length 70 mm	Enclosure material	PPS
Status LED  Supply voltage limits  1058 V DC  Switching frequency  <= 500 Hz  Voltage drop  <= 2 V at closed state  Current consumption  Current consumpt	Operating zone	017.6 mm
Supply voltage limits         1058 V DC           Switching frequency         <= 500 Hz	Differential travel	115% of Sr
Switching frequency       <= 500 Hz	Status LED	1 LED yellow for output state
Voltage drop         <= 2 V at closed state	Supply voltage limits	1058 V DC
Current consumption         <= 10 mA at no-load	Switching frequency	<= 500 Hz
Delay first up         <= 10 ms	Voltage drop	<= 2 V at closed state
Delay response         <= 0.6 ms	Current consumption	<= 10 mA at no-load
Delay recovery <= 1.4 ms  Marking CE  Threaded length 52 mm  Length 70 mm	Delay first up	<= 10 ms
Marking CE Threaded length 52 mm Length 70 mm	Delay response	<= 0.6 ms
Threaded length 52 mm  Length 70 mm	Delay recovery	<= 1.4 ms
Length 70 mm	Marking	CE
	Threaded length	52 mm
Product weight 0.08 kg	Length	70 mm
	Product weight	0.08 kg

### **Environment**

Product certifications	CCC CSA UL
Ambient air temperature for operation	-2585 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

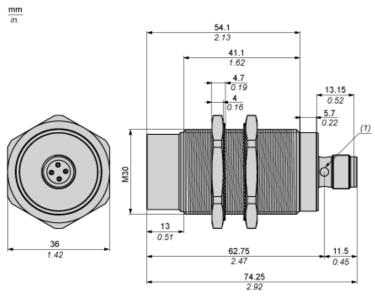
# Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0821 - Schneider Electric declaration of conformi-
	ty
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental
Product end of life instructions	Available Find Of Life Manual

## Contractual warranty

Warranty period	18 months
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### **Dimensions**

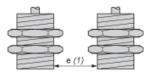


(1) LED

# XS230AAPAM12

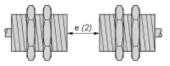
## Minimum Mounting Distances in mm

#### Side by side



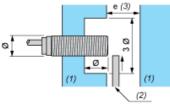
e (1) 120 mm/4.72 in.

Face to face



e (2) 264 mm/10.39 in.

Facing a metal object



e (3) 66 mm/2.60 in.

- Metal
- (4) (5) Object to be detected

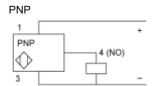
# Product data sheet **Connections and Schema**

# XS230AAPAM12

## Wiring Schemes

#### M12 connector





1: 2: 3:

(+) Not connected

3 : (-) 4 : NO Output