Product data sheet
Characteristics

XUB0SKSNM12T
photo-electric sensor - XUB - emitter - 12..24VDC - M12

Green Premium™ Product

Main

Range of product	OsiSense XU
Series name	Application food and beverage mutlimode
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Stainless steel
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	20 m thru beam need a receiver

Complementary

Enclosure material	Stainless steel : 304 CU
Lens material	PMMA
Maximum sensing distance	30 m thru beam
Output type	Solid state
Add on input	Test by emission breaking
Status LED	1 LED (green) for supply on
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…36 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	20 mA no-load
Maximum delay first up	200 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Diameter	18 mm
Length	76 mm
Net weight	0.055 kg

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Environment

Product certifications	CE UL CSA
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529 IP69K double insulation conforming to DIN 40050

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	64 g
Package 1 Height	4.2 cm
Package 1 width	6.6 cm
Package 1 Length	9.6 cm

Offer Sustainability

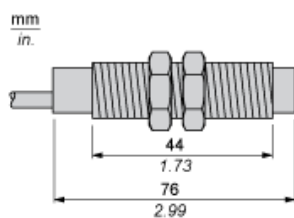|	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

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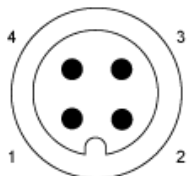## Dimensions

Wiring Schemes

M12 Connector

3 : (-)
1 : (+)
4 : OUT/Output
2 : Beam break input

Thru-beam Accessory

Input 2 :- not connected: beam made

Input 2 :- connected to –: beam broken

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Detection Curves

Thru-beam Accessory