

## Product data sheet

### Characteristics

# XUB0SKSWM12T

photo-electric sensor - XUB - emitter - 90° -  
12..24VDC - M12



### Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application food and beverage multimode
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	90° lateral
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	10 m thru beam need a receiver

### Complementary

Enclosure material	Stainless steel : 304 CU
Lens material	PMMA
Maximum sensing distance	14 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	92 mm

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## Environment

Product certifications	CSA[RETURN]UL[RETURN]CE
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

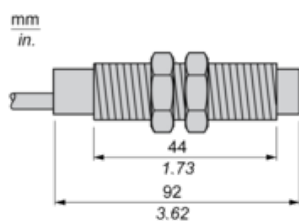
## Contractual warranty

Warranty	18 months
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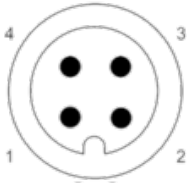
Dimensions

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## Wiring Schemes

### M12 Connector



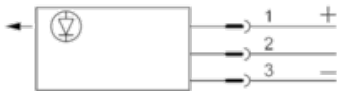
3 : (-)

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

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Thru-beam Accessory

