

Product data sheet

Characteristics

XUK2SKSMM12T

photo-electric sensor - XUKS - thru beam
transmitter - Sn 15m - 10..30VDC - M12



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application food and beverage single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Thru beam
Material	Stainless steel
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red thru beam
[Sn] nominal sensing distance	15 m thru beam

Complementary

Enclosure material	Stainless steel 316
Lens material	PMMA
Maximum sensing distance	20 m thru beam
Output type	Solid state
Add on output	Without
Add on input	Test
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC
Supply voltage limits	9...33 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	<= 35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.15 kg

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Environment

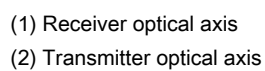
Product certifications	CSA[RETURN]UL[RETURN]CE
Ambient air temperature for operation	-25...55 °C
Temperature for cleaning operation	-20...100 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

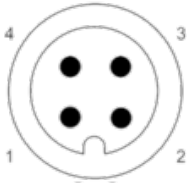
Contractual warranty

Warranty	18 months
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$$\frac{\text{mm}}{\text{in.}}$$


Wiring Schemes

M12 Connector



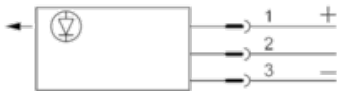
3 : (-)

1 : (+)

4 : OUT/Output

2 : Beam break input

Thru-beam Accessory



Input 2 :- not connected: beam made

Input 2 :- connected to -: beam broken

Detection Curves

Thru-beam Accessory

