Product data sheet
Characteristics

XUM0AKSAM8T

photo-electric sensor - XUM - emitter - 12..24VDC - M8

Green Premium™ Product

Main

Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUM
Sensor design	Miniature
Detection system	Thru beam
Material	Plastic
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	1 male connector M8, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	10 m thru beam need a receiver

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	14 m thru beam
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	100 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Self-teaching
Depth	20 mm
Height	45 mm
Width	12 mm
Net weight	0.035 kg

Environment

Product certifications	UL CSA 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	IP67 conforming to IEC 60529

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Packing Units

Package 1 Weight	0.037 kg
Package 1 Height	0.670 dm
Package 1 width	0.960 dm
Package 1 Length	0.420 dm

## 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

Dimensions

Mounting and Clearance

Possible Orientation of Elbowed Connector
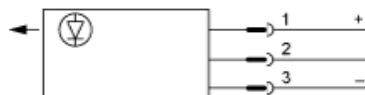
Telemecanique
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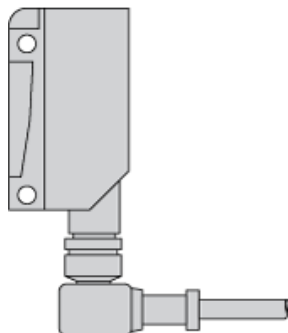
Wiring Schemes

M8 Connector
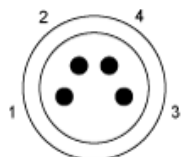
1 :   (+)
2 :   Beam break input (1)
3 :   (-)
4 :   OUT/Output
(1)   Beam break input on thru-beam transmitter only

Thru-beam Function Transmitter

Input 2:

- not connected: beam made

- connected to -: beam broken

Detection Curves

With Thru-beam Accessory (Thru-beam)

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