XUM0AKSAM8T

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





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	32.81 ft (10 m) thru beam need a receiver

Complementary

Enclosure material	PBT	
Lens material	PMMA	
Maximum sensing distance	45.93 ft (14 m) thru beam	
Add on input	Test by emission breaking	
Status LED	1 LED green)supply on	
[Us] rated supply voltage	1224 V DC reverse polarity protection	
Supply voltage limits	1036 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	0.79 in (20 mm)	
Height	1.77 in (45 mm)	
Maximum Width	0.47 in (12 mm)	
Net Weight	0.08 lb(US) (0.035 kg)	

Environment

Product certifications	UL CSA CE	
Ambient air temperature for operation	-13131 °F (-2555 °C)	
Ambient air temperature for storage	-40158 °F (-4070 °C)	
Vibration resistance	7 gn +/- 1.5 mm 1055 Hz) IEC 60068-2-6	
Shock resistance	30 gn 11 ms) IEC 60068-2-27	
IP degree of protection	IP67 conforming to IEC 60529	

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901233381
Nbr. of units in pkg.	1
Package weight(Lbs)	0.08 lb(US) (0.04 kg)
Returnability	Yes
Country of origin	ID

Packing Units

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
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EV RoHS Declaration
Mercury free	Yes
RoHS exemption information	€Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

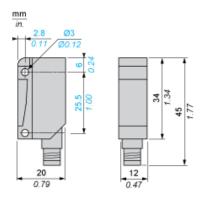
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

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Dimensions

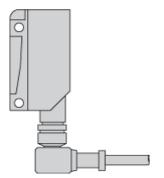


Product data sheet Mounting and Clearance

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Mounting and Clearance

Possible Orientation of Elbowed Connector



Product data sheet Connections and Schema

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Wiring Schemes

M8 Connector



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

Thru-beam Function Transmitter



Input 2:

- not connected: beam made
- connected to -: beam broken

Product data sheet Performance Curves

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Detection Curves

With Thru-beam Accessory (Thru-beam)

