

Main

mann		
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 with reverse polarity protection	
Supply voltage limits	1036 V DC	
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)	
Switching frequency	<= 250 Hz	
Voltage drop	1.5 V (closed state)	
Current consumption	20 mA (no-load)	
Delay first up	< 100 ms	
Delay response	< 2 ms	
Delay recovery	< 2 ms	
Setting-up	Self-teaching	
Depth	0.79 in (20 mm)	
Height	1.77 in (45 mm)	
Width	0.47 in (12 mm)	
Product weight	0.08 lb(US) (0.035 kg)	

Environment

Product certifications	CSA UL CE	
Ambient air temperature for operation	-13131 °F (-2555 °C)	
Ambient air temperature for storage	-40158 °F (-4070 °C)	
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 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	

Ordering and shipping details

22481 - SENSORS, PHOTOELECTRIC
DS2
00785901233381
1
8.000000000000002E-2
Υ
ID

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
California proposition 65	WARNING: This product can expose you to chemicals including:	
Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	
Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	
More information	For more information go to www.p65warnings.ca.gov	

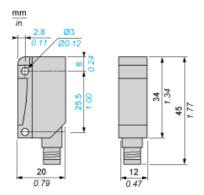
Contractual warranty

Warranty period	18 months	

Product data sheet Dimensions Drawings

XUM0AKSAM8T

Dimensions

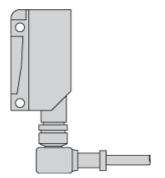


Product data sheet Mounting and Clearance

XUM0AKSAM8T

Mounting and Clearance

Possible Orientation of Elbowed Connector



Product data sheet Connections and Schema

XUM0AKSAM8T

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:

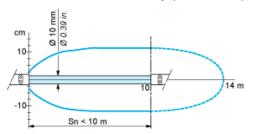
- not connected: beam made
- connected to -: beam broken

Product data sheet Performance Curves

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Detection Curves

With Thru-beam Accessory (Thru-beam)



Mouser Electronics

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