



Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUM
Sensor design	Miniature
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Product specific application	-
Emission	Red thru beam
[Sn] nominal sensing distance	49.21 ft (15 m) thru beam need a transmitter XUM2AKCNL2T

Complementary

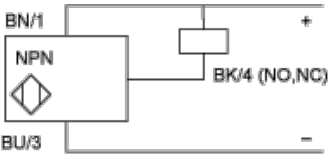
Enclosure material	PBT
Lens material	PMMA
Output type	Solid state
Add on input	Test by emission breaking
Wire insulation material	PVC
Status LED	1 LED (green) instability and supply on 1 LED (red) indicator light
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 1000 Hz
Voltage drop	<= 3 V (closed state)
Current consumption	13 mA (no-load)
Delay first up	< 100 ms
Delay response	0.5 ms
Delay recovery	0.5 ms
Setting-up	Sensitivity adjustment
Depth	0.79 in (20 mm)
Height	1.34 in (34 mm)
Width	0.43 in (11 mm)
Product weight	0.14 lb(US) (0.063 kg)

Environment

product certifications	CE CTick CULus
ambient air temperature for operation	-22...140 °F (-30...60 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6

Connections and Schemes

NPN

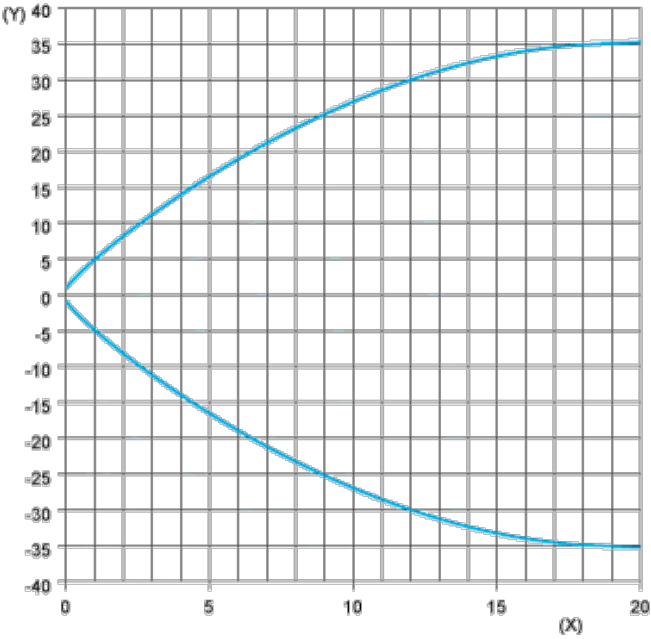


BN : Brown

BU : Blue

BK : Black

Detection Curves



(Y) Parallel movement (cm)

(X) Distance (m)

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