Product data sheet
Characteristics

XUBLBKCNL2T
photo-electric sensor - XUB - emitter - laser - 12..24VDC - cable 2m

Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Metal
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	Cable
Cable length	2 m
Product specific application	-
Emission	Red laser thru beam (class 1), wavelength: 670 nm conforming to IEC 60825-1
[Sn] nominal sensing distance	0...100 m thru beam need a receiver

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Add on input	Test by emission breaking
Wire insulation material	PvR
Status LED	1 LED (green) for supply on
[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	<= 1500 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	25 mA (no-load)
Delay first up	< 80 ms
Delay response	< 0.4 ms
Delay recovery	< 0.4 ms
Diameter	18 mm

Length	52 mm
Product weight	0.11 kg

Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-10...45 °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 double insulation conforming to IEC 60529

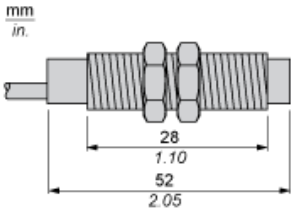
Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months

Dimensions



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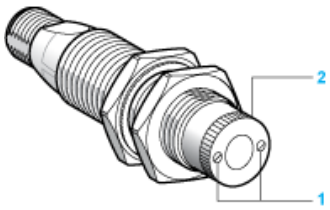
Mounting

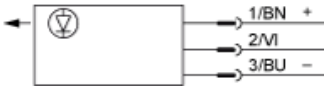
Adjustment



(1) Adjust the focusing point of the laser beam by rotating the serrated sleeve
(2) Located on the face of the sensor. Re-tighten fixing screws

Wiring Schemes

Transmitter



(+) BN : Brown
(-) BU : Blue
Input 2/VI :Not connected: beam made, connected to (-): beam broken

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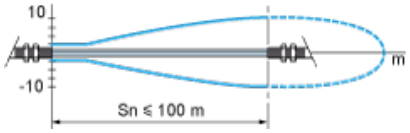
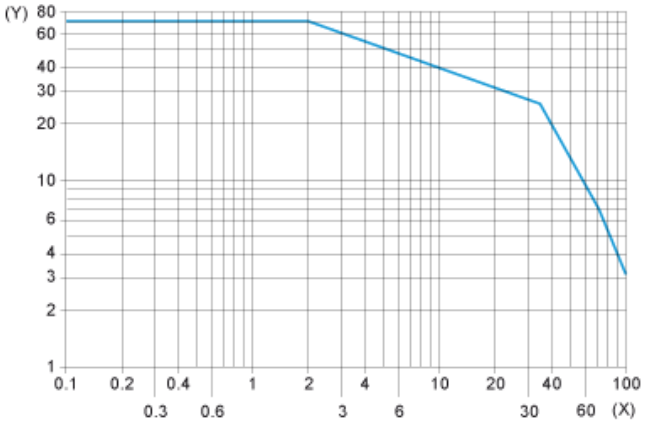
Curves

Detection Curve (Set to Infinity)

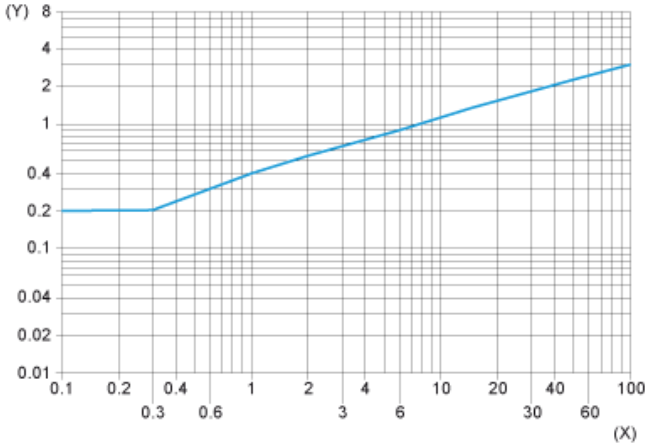


Excess Gain Curve



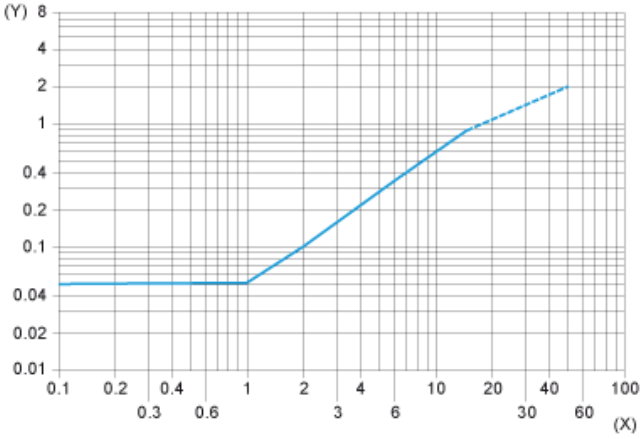
(X) Distance (m)
(Y) Gain

Standard Curve



(X) Distance focusing point (m)
(Y) Minimum size of the object to be detected (mm)

Detection Limit Curve



(X) Distance focusing point (m)
(Y) Minimum size of the object to be detected (mm)