

Product data sheet

Specifications



Photoelectric sensors XU, XUB, diffuse, Sn 0.6 m, 12...24 VDC, cable 2 m

XUB5BNANL2

 To be discontinued on: Apr 4, 2025

 To be discontinued

Main

Range Of Product	Telemecanique Photoelectric sensors XU
Series Name	General purpose single mode
Electronic Sensor Type	Photo-electric sensor
Sensor Name	XUB
Sensor Design	Cylindrical M18
Detection System	Diffuse
Material	Metal
Line Of Sight Type	Axial
Type Of Output Signal	Discrete
Supply Circuit Type	DC
Wiring Technique	3-wire
Discrete Output Type	NPN
Discrete Output Function	1 NO
Electrical Connection	Cable
Cable Length	2 m
Product Specific Application	-
Emission	Infrared diffuse
[Sn] Nominal Sensing Distance	0.6 m diffuse

Complementary

Enclosure Material	Nickel plated brass
Lens Material	PMMA
Maximum Sensing Distance	0.8 m diffuse
Output Type	Solid state
Add On Output	Without
Wire Insulation Material	PvR
Status Led	1 LED (yellow) for output state
[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)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Switching Frequency	<= 500 Hz
Maximum Voltage Drop	<1.5 V (closed state)
Current Consumption	35 mA no-load
Maximum Delay First Up	15 ms
Maximum Delay Response	1 ms
Maximum Delay Recovery	1 ms
Setting-Up	Sensitivity adjustment
Diameter	18 mm
Length	76 mm
Net Weight	0.055 kg

Environment

Product Certifications	CE UL CSA
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 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.6 cm
Package 1 Length	13.2 cm
Package 1 Weight	121.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	11
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	1.556 kg
Unit Type Of Package 3	S02
Number Of Units In Package 3	22
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	3.117 kg

Contractual warranty

Warranty

18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

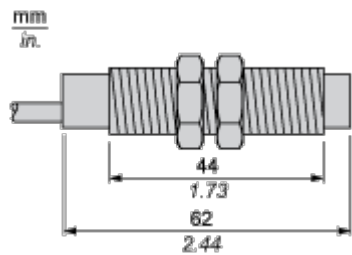
Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl 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

Dimensions Drawings

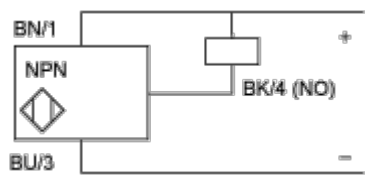
Dimensions



Connections and Schema

Wiring Schemes

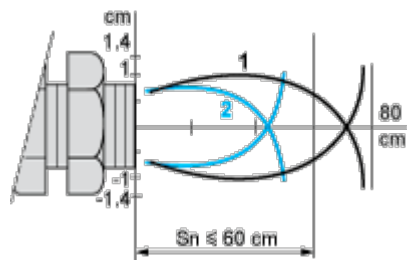
NPN Outputs



- BN : Brown
- BU : Blue
- BK : Black

Performance Curves

Detection Curves



- 1 : White 90%
- 2 : Grey 18%

Object 10 x 10 cm