

# Product data sheet

Specifications



photo-electric sensor - XUB - diffuse  
- Sn 0.1m - 12..24VDC - cable 5m

XUB4ANBNL5

⚠ 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	Plastic
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 NC
Electrical connection	Cable
Cable length	16.40 ft (5 m)
Product Specific Application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.33 ft (0.1 m) diffuse

## Complementary

Enclosure Material	PBT
Lens material	PMMA
Maximum sensing distance	0.49 ft (0.15 m) diffuse
Output Type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED yellow)output state

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

<b>[Us] rated supply voltage</b>	12...24 V DC reverse polarity protection
<b>Supply voltage limits</b>	10...36 V DC
<b>Switching capacity in mA</b>	<= 100 mA overload and short-circuit protection)
<b>Switching frequency</b>	<= 500 Hz
<b>Maximum voltage drop</b>	<1.5 V closed state)
<b>Current consumption</b>	35 mA no-load
<b>Maximum delay first up</b>	15 ms
<b>Maximum delay response</b>	1 ms
<b>Maximum delay recovery</b>	1 ms
<b>Setting-up</b>	Without sensitivity adjustment
<b>Diameter</b>	0.71 in (18 mm)
<b>Length</b>	2.44 in (62 mm)

## Environment

<b>Product Certifications</b>	CE CSA UL
<b>Ambient air temperature for operation</b>	-13...131 °F (-25...55 °C)
<b>Ambient Air Temperature for Storage</b>	-40...158 °F (-40...70 °C)
<b>Vibration resistance</b>	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
<b>Shock resistance</b>	30 gn 11 ms) IEC 60068-2-27
<b>IP degree of protection</b>	IP67 double insulation IEC 60529 IP65 double insulation IEC 60529

## Ordering and shipping details

<b>Discount Schedule</b>	DS2
<b>GTIN</b>	03389110395754
<b>Package weight(Lbs)</b>	0.41 lb(US) (0.185 kg)
<b>Returnability</b>	No
<b>Country of origin</b>	US

## Packing Units

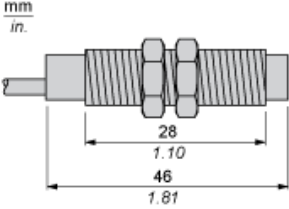
<b>Package 1 Height</b>	1.300 dm
<b>Package 1 width</b>	0.660 dm
<b>Package 1 Length</b>	0.950 dm

## Contractual warranty

<b>Warranty</b>	18 months
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**Dimensions**

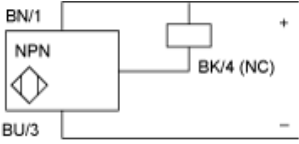
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**Wiring Schemes**

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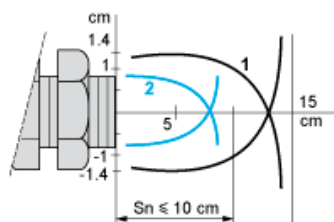
**NPN Outputs**



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

**Detection Curves**

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1 : White 90%

2 : Grey 18%

Object 10 x 10 cm

**Recommended replacement(s)**

XUB4ANBNL5 is replaced by:

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1x



Photoelectric sensors XU, XUB, diffuse, Sn 0.1 m, 12...24 VDC, M12

XUB4ANBNM12

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