

# Product data sheet

## Characteristics

# XUB9BPBNM12

Photoelectric sensors XU, XUB, polarised, Sn 2 m, 12...24 VDC, M12



Product availability: Stock - Normally stocked in distribution facility

Price\*: 60.90 USD



### 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	Polarised reflex
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring Technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M12, 4 pins
Product Specific Application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	6.56 Ft (2 m) polarised reflex need reflector XUZC50

### Complementary

Enclosure Material	Nickel Plated Brass
Lens material	PMMA
Maximum sensing distance	9.84 Ft (3 m) polarised reflex
Output Type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED yellow)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)

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	Without sensitivity adjustment
Diameter	0.71 In (18 mm)
Length	2.44 In (62 mm)
Net Weight	0.11 Lb(US) (0.05 kg)

## Environment

Product Certifications	CSA UL CE
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 double insulation IEC 60529 IP65 double insulation IEC 60529 IP69K double insulation DIN 40050



## Ordering and shipping details

Category	22415 - SENSORS, PHOTOELECTRIC, BASIC
Discount Schedule	DS2
GTIN	03389110159707
Nbr. of units in pkg.	1
Package weight(Lbs)	1.83 Oz (52 g)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 In (6.4 cm)
Package 1 width	3.62 In (9.2 cm)
Package 1 Length	1.73 In (4.4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	2.94 Lb(US) (1.333 kg)
Package 2 Height	5.91 In (15 cm)
Package 2 width	5.91 In (15 cm)
Package 2 Length	15.75 In (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes

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RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

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### Contractual warranty

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Warranty	18 months
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Dimensions



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## Wiring Schemes

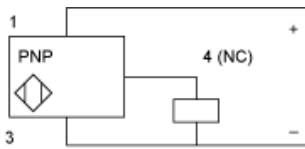
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### M12 Connector

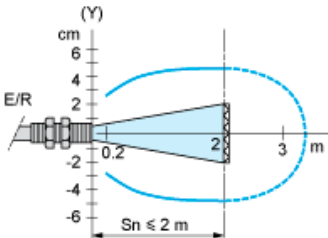


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

### PNP Outputs



Detection Curves



(Y) Ø of beam  
With reflector XU50

Product Life Status : Commercialised