

# Product data sheet

## Characteristics

# XUB9APAWM12

Photoelectric sensors XU, XUB, polarised, 90°, Sn 2 m, 12...24 VDC, M12



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 62.10 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	Plastic
Line of sight type	90° lateral
Type of output signal	Discrete
Supply circuit type	DC
Wiring Technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
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	PBT
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 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	1.89 In (48 mm)
Net Weight	0.09 Lb(US) (0.04 kg)

## Environment

Product Certifications	UL CSA 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	03389110158663
Nbr. of units in pkg.	1
Package weight(Lbs)	1.20 Oz (34 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 In (6.4 cm)
Package 1 width	3.70 In (9.4 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	35.17 Oz (997 g)
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

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

### Contractual warranty

Warranty	18 months
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Dimensions



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## Wiring Schemes

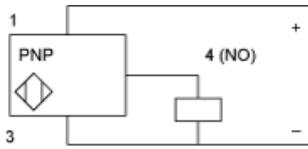
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### M12 Connector

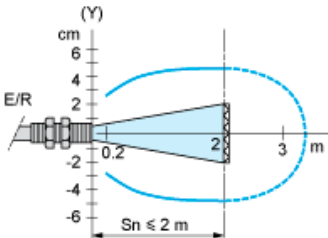


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

### PNP Outputs



Detection Curves



(Y) Ø of beam  
With reflector XUZC50

Product Life Status : **Commercialised**