

# Product datasheet

Specifications



## photo-electric sensor - XUB - reflex - Sn 4m - 12..24VDC - M12

XUB1ANBNM12

### 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	Reflex
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	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared reflex
[Sn] nominal sensing distance	4 m reflex need reflector XUZC50

### Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	5.5 m reflex
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)

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	18 mm
Length	62 mm
Net weight	0.04 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 (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 IP69K double insulation conforming to DIN 40050

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	33.0 g
Package 1 Height	4.2 cm
Package 1 width	9.6 cm
Package 1 Length	6.7 cm
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	588.0 g
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

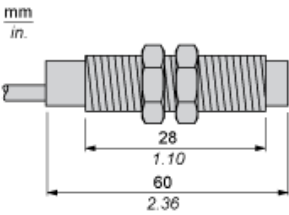
## Offer Sustainability

Sustainable offer status	Green Premium product
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>

## Contractual warranty

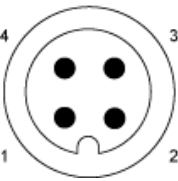
Warranty	18 months
----------	-----------

Dimensions



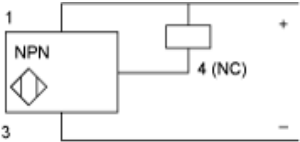
Wiring Schemes

M12 Connector

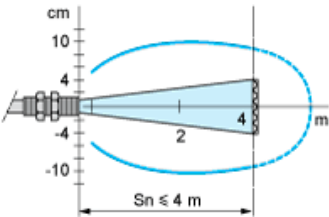


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

NPN Outputs



Detection Curves



With reflector XUZY50