Product data sheet
Characteristics

XUB1APBNM12
Photoelectric sensors XU, photo electric sensor, XUB, reflex, Sn 4 m, 12...24 VDC, M12



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	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared reflex
[Sn] nominal sensing distance	13.12 ft (4 m) reflex need reflector XUZC50

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	18.04 ft (5.5 m) 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	2.44 in (62 mm)
Net Weight	0.09 lb(US) (0.04 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product certifications	CE CSA UL
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	00785901821663
Nbr. of units in pkg.	1
Package weight(Lbs)	0.07 lb(US) (0.03 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Package 1 Height	0.420 dm
Package 1 width	0.960 dm
Package 1 Length	0.670 dm

Offer Sustainability

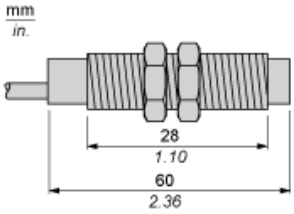
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

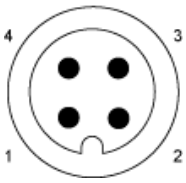
XUB1APBNM12

Dimensions



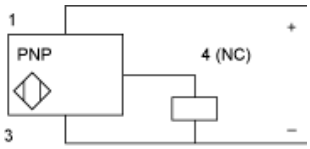
Wiring Schemes

M12 Connector



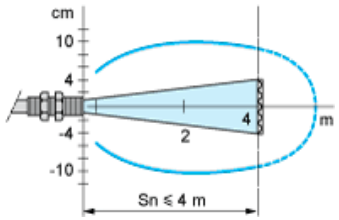
1 : (+)
3 : (-)
4 : OUT/Output

PNP Outputs



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Detection Curves



With reflector XUZC50