

Product data sheet

Characteristics

XUB0AKSNM12T

Photoelectric sensors XU, XUB, emitter, 12...24 VDC, M12



Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Plastic
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring Technique	3-wire
Electrical connection	1 male connector M12, 4 pins
Product Specific Application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	65.62 ft (20 m) thru beam need a receiver

Complementary

Enclosure Material	PBT
Lens material	PMMA
Maximum sensing distance	98.43 ft (30 m) thru beam
Output Type	Solid state
Add on input	Test by emission breaking
Wire insulation material	PvR
Status LED	1 LED green)supply on
[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	<= 250 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	20 mA no-load
Maximum delay first up	200 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Diameter	0.71 in (18 mm)
Length	2.99 in (76 mm)
Net Weight	0.10 lb(US) (0.045 kg)

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Environment

Product Certifications	CE UL CSA
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	IP65 double insulation IEC 60529 IP67 double insulation IEC 60529 IP69K double insulation DIN 40050

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901791744
Nbr. of units in pkg.	1
Package weight(Lbs)	1.27 oz (36.0 g)
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.56 in (6.5 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	1.65 in (4.2 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	2.47 lb(US) (1.12 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)

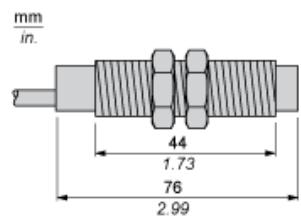
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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

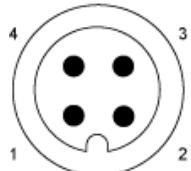
Warranty	18 months
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Dimensions



Wiring Schemes

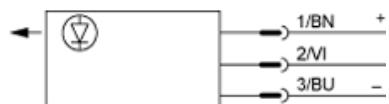
M12 Connector



- 1 : (+)
- 2 : Beam break input (1)
- 3 : (-)
- 4 : OUT/Output

(1) Beam break input on thru-beam transmitter only

Thru-beam Transmitter



BN : Brown

BU : Blue

BK : Black

Input 2/VI:

- not connected: beam made

- connected to -: beam broken

Detection Curves

With Thru-beam Accessory (Thru-beam)

