

Product data sheet

XUB0BKSNM12T

Photoelectric emitter XUB, metal, thru-beam, Sn 15 m, 12...24 VDC, M12

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Sensor name	XUB
Electronic sensor type	Photo-electric sensor transmitter
Sensor design	Cylindrical M18
Product specific application	Not applicable
ETIM classification	ETIM 9 - EC002716 - Through beam photoelectric sensor
Material	Metal
Lens material	PMMA
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	20-20 m thru beam need a receiver
Maximum sensing distance	30 m thru beam
Wiring technique	3-wire
Diameter	18 mm
Detection system	Thru beam
Line of sight type	Axial
Delay response	2 ms
Indivisible sale quantity	1

Complementary

Sensing range	> 15...30 m
Electrical connection	1 male connector M12, 4 pins
Supply voltage limits	10-36 V DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply circuit type	DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Maximum voltage drop	<1.5 V (closed state)
Current consumption	20 mA no-load
Emission	Infrared thru beam

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.
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Setting-up	Without sensitivity adjustment
Output type	Solid state
Type of output signal	Discrete
Switching frequency	250 Hz
Status LED	1 LED (green) for supply on
Delay first up	200 ms
Delay recovery	2 ms
Length	76 mm
Product weight	0.055 kg

Environment

IP degree of protection	IP65 double insulation conforming to IEC 60529, IP67 double insulation conforming to IEC 60529, IP69K double insulation conforming to DIN 40050
Ambient air temperature for storage	-40…70 °C
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

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

Warranty

Warranty	18 months

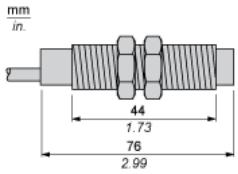
Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916033333
Package 1 height	4.2 cm
Package 1 width	6.8 cm
Package 1 length	9.7 cm
Package 1 weight	0.055 kg
Unit type of package 2	S01
Number of units in package 2	22
New Package 2 GTIN 14	13666916033330
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm

Package 2 weight	1.631 kg
Unit type of package 3	S02
Number of units in package 3	44
New Package 3 GTIN 14	23666916033337
Package 3 height	15 cm
Package 3 width	30 cm
Package 3 length	40 cm

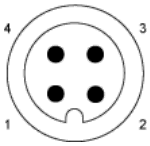
Technical Drawings

Dimensions



Wiring Schemes

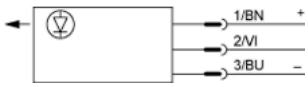
M12 Connector



- 1 : (+)
- 2 : Beam break input (1)
- 3 : (-)
- 4 : OUT/Output
- (1) Beam break input on thru-beam transmitter only

Wiring Schemes

Thru-beam Transmitter



- 1 : (+)
- 2 : Beam break input (1)
- 3 : (-)
- 4 : OUT/Output
- (1) Beam break input on thru-beam transmitter only
- 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)

