

Product data sheet

XUJK803538

Photoelectric sensor XUJ, diffuse, analog, Sn 0.8 m, 12...24 VDC, terminals

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application material handling
Sensor name	XUJ
Electronic sensor type	Photo-electric sensor
Sensor design	Compact
Product specific application	Not applicable
ETIM classification	ETIM 9 - EC001821 - Diffuse reflective photoelectric sensor
Material	Plastic
Enclosure material	PEI
[Sn] nominal sensing distance	0.2-0.8 m diffuse
Maximum sensing distance	0.8 m
Wiring technique	3-wire
Detection system	Diffuse
Delay response	2 ms
Indivisible sale quantity	1

Complementary

Sensing range	> 0.3...1 m
Electrical connection	Screw-clamp terminals, 1 x 2.5...2 x 1.5 mm²
Supply voltage limits	20-30 V DC
[Us] rated supply voltage	12...24 V DC
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	<= 35 mA no-load
Emission	Infrared diffuse
Setting-up	Without sensitivity adjustment
Output type	Solid state
Analogue output range	-

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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Type of output signal	Analogue
Output voltage	0...10 V DC
Add on output	With analogue output
Discrete output type	PNP
Status LED	1 LED (yellow) for output state
Delay first up	15 ms
Delay recovery	2 ms
Height	50 mm
Width	18 mm
Depth	50 mm
Product weight	0.07 kg

Environment

IP degree of protection	IP65 double insulation conforming to IEC 60529
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for operation	-25-55 °C
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

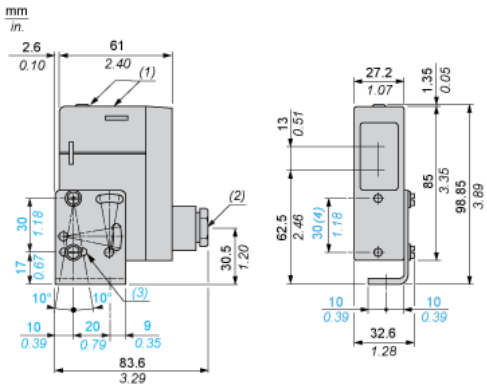
Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916037744
Package 1 height	4.7 cm
Package 1 width	11.1 cm
Package 1 length	16.5 cm
Package 1 weight	0.214 kg
Unit type of package 2	S02
Number of units in package 2	12

New Package 2 GTIN 14	13666916037741
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	2.89 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916037748
Package 3 height	16.5 cm
Package 3 width	4.7 cm
Package 3 length	11.1 cm
Package 3 weight	0.214 kg

Technical Drawings

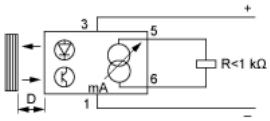
Dimensions



- (1) LED
- (2) 11P cable gland
- (3) 1 elongated hole Ø 4.2 x 14
- (4) Front fixing (Ø 4 screws and inserts included)

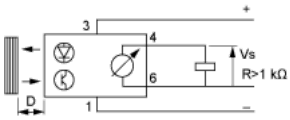
Wiring Schemes

Diffuse System



- 1 : (-)
- 3 : (+)
- 5 : Output current
- 6 : (-)

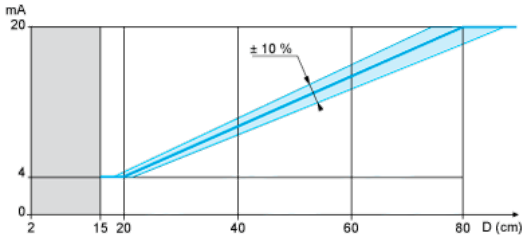
Diffuse System



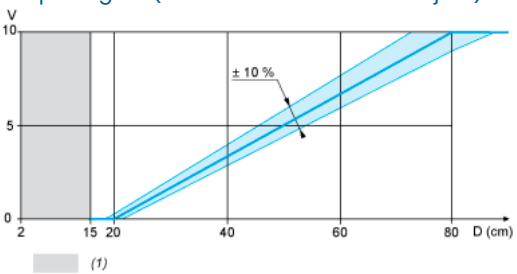
- 1 : (-)
- 3 : (+)
- 5 : Output current
- 6 : (-)
- 1 : (-)
- 3 : (+)
- 4 : Output voltage
- 6 : (-)

Curves

Output Signal (Related to Distance of Object). Test Performed with 20 x 20 cm, White 90% Object



Output Signal (Related to Distance of Object). Test Performed with 20 x 20 cm, White 90% Object



- (1) Forbidden zone