

Product data sheet

XUB5BPYNM12

Photoelectric sensor XUB, metal, diffuse, Sn 1 m, M12, IO-Link, PNP/NPN, NO/NC

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Sensor name	XUB
Electronic sensor type	Photo-electric sensor
Sensor design	Cylindrical M18
ETIM classification	ETIM 9 - EC001821 - Diffuse reflective photoelectric sensor
Material	Metal
Lens material	PMMA
Enclosure material	PC/PBT
[Sn] nominal sensing distance	0.7-0.7 m diffuse
Maximum sensing distance	1 m diffuse
Wiring technique	4 wires
Diameter	18 mm
Detection system	Diffuse
Line of sight type	Axial
Delay response	0.5 ms
Indivisible sale quantity	1

Complementary

Sensing range	0.01...1 m
Electrical connection	1 male connector M12, 4 pins
Supply voltage limits	10-30 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	<2 V (closed state)no-load
Current consumption	< 30 mA no load
Emission	Red LED diffuse
Setting-up	Sensitivity by IO-Link sensitivity by potentiometer

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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Output type	Discrete
Type of output signal	Discrete
Discrete output type	IOLINK PNP/NPN autodetect
Discrete output function	1 NO or 1 NC programmable
Switching frequency	1000 Hz
Status LED	1 LED (green) for supply on/stability, 1 LED (orange) for output state
Delay first up	300 ms
Delay recovery	0.5 ms
Length	44 mm
Product weight	0.06 kg

Environment

IP degree of protection	IP67 conforming to IEC 60529, IP65 conforming to IEC 60529, IP69K conforming to DIN 40050-9
Ambient air temperature for operation	-30…55 °C
Ambient air temperature for operation	-30-55 °C
Ambient air temperature for storage	-40…70 °C
Shock resistance	30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz)for every axis conforming to IEC 60068-2-6
Relative humidity	35-95 %
Immunity to ambient light	40000 lux sunlight, 10000 lux incandescent light

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. Fo 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	3666916034217
Package 1 height	1.8 cm
Package 1 width	1.6 cm
Package 1 length	4.4 cm
Package 1 weight	0.04 kg

Unit type of package 2	S02
Number of units in package 2	48
New Package 2 GTIN 14	13666916034214
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	2.92 kg
Unit type of package 3	P06
Number of units in package 3	768
New Package 3 GTIN 14	23666916034211
Package 3 height	70 cm
Package 3 width	60 cm
Package 3 length	80 cm
Package 3 weight	44.26 kg