

Product data sheet

XUK9APANM12

Photoelectric sensor XUK, polarised reflex, Sn 5 m, 12...24 VDC, M12, NO

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Sensor name	XUK
Electronic sensor type	Photo-electric sensor
Sensor design	Compact 50 x 50
Product specific application	Not applicable
ETIM classification	ETIM 9 - EC002717 - Retroreflective photoelectric sensor
Material	Plastic
Lens material	PMMA
Enclosure material	PBT
[Sn] nominal sensing distance	6-6 m polarised reflex need reflector XUZC50
Maximum sensing distance	8 m polarised reflex
Wiring technique	3-wire
Detection system	Polarised reflex
Delay response	2 ms
Product certifications	CE CSA UL
Range compatibility	TE PHOTOELEC SSRS XU
Indivisible sale quantity	1

Complementary

Sensing range	> 1...5 m
Electrical connection	1 male connector M12, 4 pins
Wire insulation material	PVC
Supply voltage limits	10-36 V
[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)

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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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Current consumption	<= 35 mA no-load
Emission	Red polarised reflex
Setting-up	Without sensitivity adjustment
Output type	Solid state
Type of output signal	Discrete
Discrete output type	PNP
Discrete output function	1 NO
Switching frequency	250 Hz
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	0.19 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

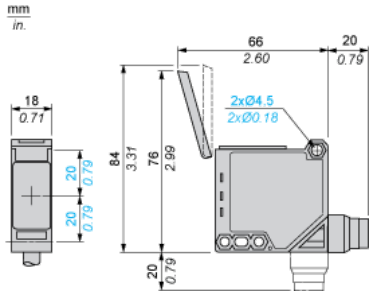
Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916037430
Package 1 height	4.2 cm
Package 1 width	6.7 cm

Package 1 length	9.7 cm
Package 1 weight	0.07 kg
Unit type of package 2	S02
Number of units in package 2	44
New Package 2 GTIN 14	13666916037437
Package 2 height	30 cm
Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	3.1637 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916037434
Package 3 height	4.2 cm
Package 3 width	9.7 cm
Package 3 length	6.7 cm
Package 3 weight	0.063 kg

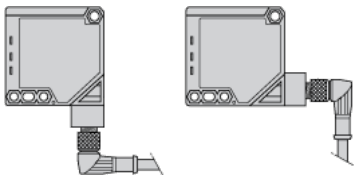
Technical Drawings

Dimensions



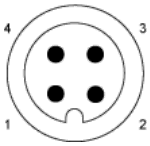
Mounting and Clearance

Possible Orientation of Elbowed Connector



Wiring Schemes

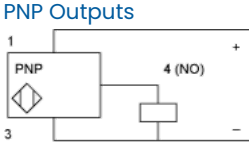
M12 Connector



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

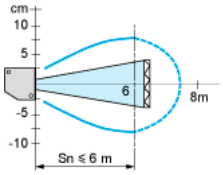
Wiring Schemes

PNP Outputs



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

Detection Curves



With reflector XUZC50