

Product data sheet

XUK5ARCNL2

Photoelectric sensor XUK, diffuse, Sn 1 m, 24...240 VAC/DC, cable 2 m, NO/NC

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 - EC001821 - Diffuse reflective photoelectric sensor
Material	Plastic
Lens material	PMMA
Enclosure material	PBT
[Sn] nominal sensing distance	1-1 m diffuse
Maximum sensing distance	1.5 m diffuse
Wiring technique	5-wire
Detection system	Diffuse
Delay response	25 ms
Indivisible sale quantity	1

Complementary

Sensing range	> 0.3...1 m
Electrical durability	500000 cycles, cos f = 1 , operating rate <60 cyc/mn at 250 V
Electrical connection	Cable
Cable length	2 m
Cable composition	5 x 0.34 mm²
Supply voltage limits	20-264 V AC
[Us] rated supply voltage	24...240 V AC/DC
Supply circuit type	AC/DC
Switching capacity in mA	3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Current consumption	<= 35 mA no-load
Emission	Infrared diffuse

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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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Cable outer diameter	6 mm
Setting-up	Sensitivity adjustment
Output type	Relay
Type of output signal	Discrete
Discrete output function	1 C/O
Switching frequency	20 Hz
Status LED	1 LED (yellow) for output state, 1 LED (green) for supply
Delay first up	60 ms
Delay recovery	25 ms
Height	50 mm
Width	18 mm
Depth	50 mm
Product weight	0.035 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

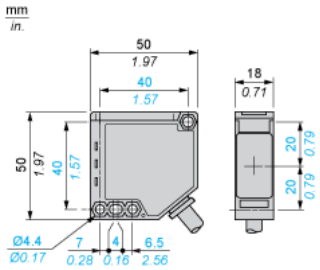
Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916037560
Package 1 height	4.199 cm
Package 1 width	9.599 cm
Package 1 length	13.137 cm
Package 1 weight	0.19 kg

Unit type of package 2	S02
Number of units in package 2	22
New Package 2 GTIN 14	13666916037567
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	4.659 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916037564
Package 3 height	4.2 cm
Package 3 width	9.5 cm
Package 3 length	13.2 cm
Package 3 weight	0.184 kg

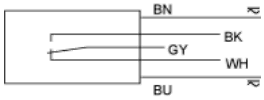
Technical Drawings

Dimensions



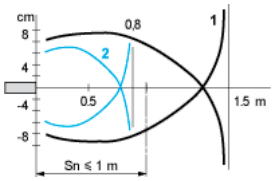
Wiring Schemes

Relay Output



- BN : Brown
- BU : Blue
- NO/BK : Black
- Relay common/GY : Grey
- NC/WH : White

Detection Curves



- 1 : White 90%
- 2 : Grey 18%

Object 10 x 10 cm