

Product data sheet

Specifications



Photoelectric sensors XU, XUK, diffuse, Sn 1 m, 24...240VAC/DC, cable 2 m

XUK5ARC�L2

Main

Range Of Product	Telemecanique Photoelectric sensors XU
Series Name	General purpose single mode
Electronic Sensor Type	Photo-electric sensor
Sensor Name	XUK
Sensor Design	Compact 50 x 50
Detection System	Diffuse
Material	Plastic
Type Of Output Signal	Discrete
Supply Circuit Type	AC/DC
Wiring Technique	5-wire
Discrete Output Function	1 C/O
Electrical Connection	Cable
Cable Length	2 m
Product Specific Application	-
Emission	Infrared diffuse
[Sn] Nominal Sensing Distance	1 m diffuse

Complementary

Enclosure Material	PBT
Lens Material	PMMA
Maximum Sensing Distance	1.5 m diffuse
Output Type	Relay
Cable Composition	5 x 0.34 mm²
Wire Insulation Material	PVC
Cable Outer Diameter	6 mm
Status Led	1 LED (yellow) for output state 1 LED (green) for supply
[Us] Rated Supply Voltage	24...240 V AC/DC
Supply Voltage Limits	20...264 V AC
Switching Capacity In Ma	3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching Frequency	<= 20 Hz
Current Consumption	<= 35 mA no-load

Disclaimer: 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

Maximum Power Consumption In W	2 W AC
Maximum Delay First Up	60 ms
Maximum Delay Response	25 ms
Maximum Delay Recovery	25 ms
Setting-Up	Sensitivity adjustment
Electrical Durability	500000 cycles, cos f = 1, operating rate <60 cyc/mn at 250 V
Depth	50 mm
Height	50 mm
Width	18 mm
Net Weight	0.035 kg

Environment

Product Certifications	Ecolab CE
Ambient Air Temperature For Operation	-25...55 °C
Ambient Air Temperature For Storage	-40...70 °C
Vibration Resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
Ip Degree Of Protection	IP65 double insulation conforming to IEC 60529

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.199 cm
Package 1 Width	9.599 cm
Package 1 Length	13.137 cm
Package 1 Weight	181.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.711 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	352
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	86 kg

Contractual warranty

Warranty

18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

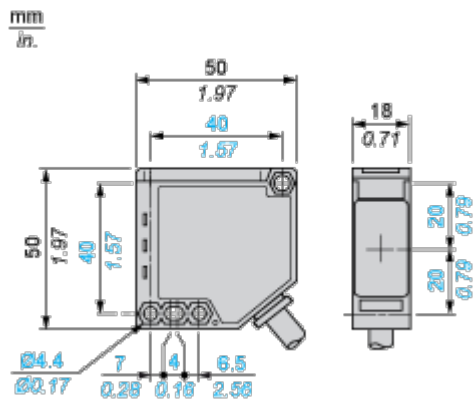
Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl 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

Dimensions Drawings

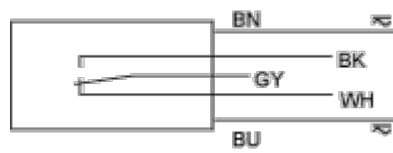
Dimensions



Connections and Schema

Wiring Schemes

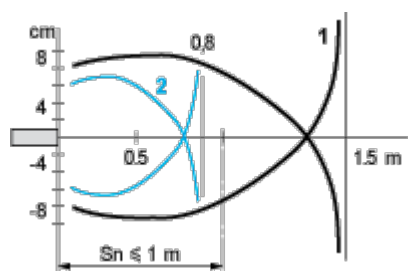
Relay Output



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

Performance Curves

Detection Curves



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

Object 10 x 10 cm