Product data sheet

Specifications

Photoelectric sensors XU, XUK, reflex, Sn 7 m, 24...240VAC/DC, cable 2 m

XUK1ARCNL2

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	Reflex
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 reflex
[Sn] Nominal Sensing Distance	7 m reflex need reflector XUZC50

Complementary

Enclosure Material	PBT
Lens Material	PMMA
Maximum Sensing Distance	10 m reflex
Output Type	Relay
Add On Input	Breaking test
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

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Current Consumption	<= 35 mA no-load
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	Without 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	4.2 cm
Package 1 Width	13.2 cm
Package 1 Length	9.6 cm
Package 1 Weight	185.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.641 kg
Unit Type Of Package 3	PAL
Number Of Units In Package 3	352
Package 3 Height	77.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	80.9 kg

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Contractual warranty

Warranty   18 months

Sustainability

Green Premium^{TM} 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-CO_2 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 >
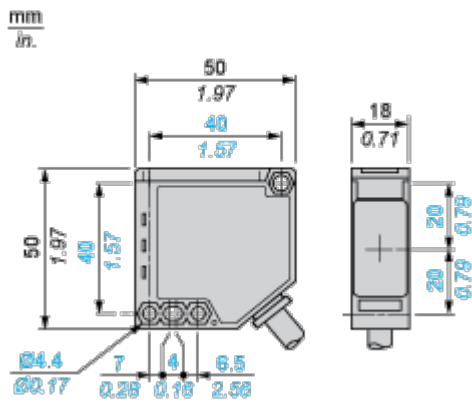
RoHS/REACh

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 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
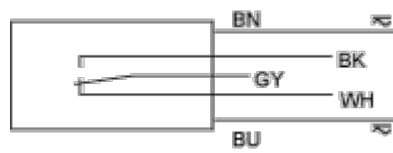
Dimensions Drawings

Dimensions
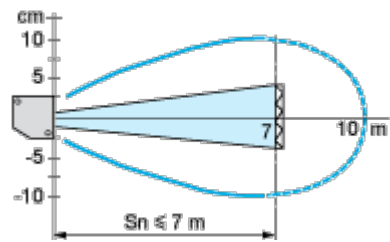
Connections and Schema

Wiring Schemes

Relay Output

BN : Brown

BU : Blue

NO/BK : Black

Relay common/GY : Grey

NC/WH : White

Performance Curves

Detection Curves

With reflector XUZC50