## XUM0ANSAL2

Photoelectric sensors XU, XUM, multi, Sn 0...10 m, 12...24 VDC, cable 2 m





#### Main

Main	
Range of Product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Multimode
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring Technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Product Specific Application	-
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	9.84 Ft (3 m) polarised reflex need reflector XUZC50 32.81 Ft (10 m) thru beam need a transmitter XUM0AKSAL2T 0.33 Ft (0.1 m) diffuse with background suppression

1.31 ft (0.4 m) diffuse

#### Complementary

Enclosure Material	PBT
Lens material	PMMA
Maximum sensing distance	45.93 Ft (14 m) thru beam 13.12 Ft (4 m) polarised reflex 0.33 Ft (0.1 m) diffuse with background suppression 1.80 ft (0.55 m) diffuse
Output Type	Solid state
Add on output	With alarm output, 50 mA
Wire insulation material	PvR
Status LED	1 LED green)supply 1 LED red)instability 1 LED yellow)output state
[Us] rated supply voltage	1224 V DC reverse polarity protection
Switching capacity in mA	<= 100 mA overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	35 mA no-load
Maximum delay first up	100 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Self-teaching
Depth	0.79 in (20 mm)
Height	1.34 in (34 mm)

Width	0.47 in (12 mm)
Net Weight	0.11 lb(US) (0.05 kg)
Environment	
Product Certifications	CSA
	CE UL
Ambient air temperature for operation	-13131 °F (-2555 °C)
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Vibration resistance	7 gn +/- 1.5 mm 1055 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 double insulation IEC 60529
	IP67 double insulation IEC 60529
Ordering and shipping details	
Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389110164664
Nbr. of units in pkg.	1
Package weight(Lbs)	3.25 oz (92 g)
Returnability	Yes
Country of origin	ID
Unit Type of Package 1 Package 1 Height	PCE 1.65 in (4.2 cm)
Package 1 width	3.82 in (9.7 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	5.34 lb(US) (2.422 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Offer Sustainability	
one: Guetamability	Green Premium product
Sustainable offer status	•
Sustainable offer status  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
California proposition 65	phthalate (DINP), which is known to the State of California to cause cancer,
California proposition 65  REACh Regulation	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
California proposition 65  REACh Regulation	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
California proposition 65	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  Pro-active compliance (Product out of EU RoHS legal scope) CEU RoHS
California proposition 65  REACh Regulation  EU RoHS Directive	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  Pro-active compliance (Product out of EU RoHS legal scope) FU RoHS Declaration
California proposition 65  REACh Regulation  EU RoHS Directive  Mercury free	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  Pro-active compliance (Product out of EU RoHS legal scope) FU RoHS Declaration  Yes

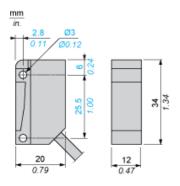
## Contractual warranty

Warranty	18 months
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# Product data sheet Dimensions Drawings

# XUM0ANSAL2

#### **Dimensions**

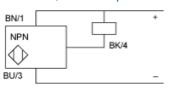


## Product data sheet Connections and Schema

# XUM0ANSAL2

## Wiring Schemes

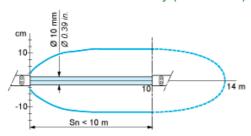
## Receiver, NPN Output



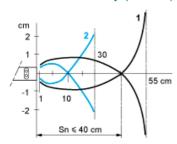
BN: Brown BU: Blue BK: Black

#### **Detection Curves**

#### With Thru-beam Accessory (Thru-beam)



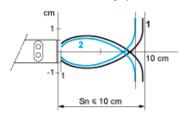
#### Without Accessory (Diffuse)



1: White 90% 2: Grey 18%

Object 10 x 10 cm

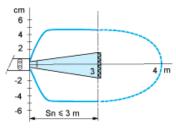
## Without Accessory (Diffuse with background suppression)



1: White 90% 2: Grey 18%

Object 10 x 10 cm

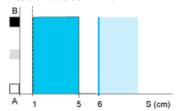
#### With reflector (Polarised reflex)



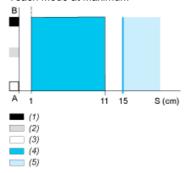
With reflector XUZC50

#### Variation of Usable Sensing Distance Su (Without accessory, with adjustable background suppression)

Teach Mode at Minimum



Teach Mode at Maximum



- A-B: Object reflection coefficient
  (1) Black 6%
  (2) Grey 18%
  (3) White 90%
  (4) Sensing range
  (5) Non sensing zone (matt surfaces)