

# Product data sheet

## Characteristics

# XU5M18MA230K

Photoelectric sensors XU, XU5, diffuse, Sn 0.4 m, 24...240VAC/DC, 1/2"



Product availability: Stock - Normally stocked in distribution facility

Price\*: 138.00 USD



### Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XU5
Sensor design	Cylindrical M18
Detection system	Diffuse
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring Technique	2-wire
Discrete output function	1 NO
Electrical connection	1 male connector 1/2"20 UNF, 3 pins
Product Specific Application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	1.31 Ft (0.4 m) diffuse

### Complementary

Enclosure Material	Nickel Plated Brass
Lens material	PMMA
Maximum sensing distance	1.97 Ft (0.6 m)
Output Type	Solid state
Add on output	Without
Status LED	1 LED yellow)output state
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 MA open state
Switching capacity in mA	10...200 mA to be used with 0.4 A quick-blow fuse in series with the load)
Switching frequency	<= 25 Hz

Maximum voltage drop	<6 V closed state)
Maximum delay first up	300 Ms
Maximum delay response	20 Ms
Maximum delay recovery	20 Ms
Setting-up	Sensitivity adjustment
Diameter	0.71 In (18 mm)
Length	3.74 In (95 mm)
Net Weight	0.17 Lb(US) (0.075 kg)

## Environment

Product Certifications	CSA CE UL
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	03389110736595
Nbr. of units in pkg.	1
Package weight(Lbs)	2.96 Oz (84 g)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.60 In (6.6 cm)
Package 1 width	3.70 In (9.4 cm)
Package 1 Length	1.65 In (4.2 cm)

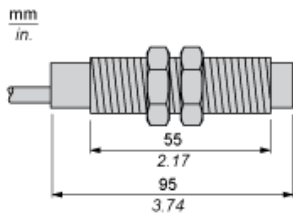
## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

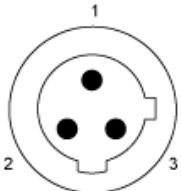


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Wiring Schemes

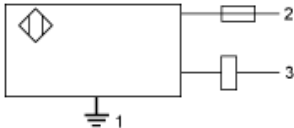
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Connector



- 1 : Grounding
- 2 : AC/DC
- 3 : AC/DC

2-wire AC or DC

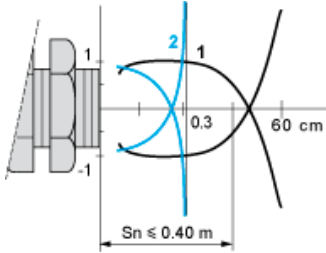


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Detection Curves

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Diffuse System



- 1 : White 90%
  - 2 : Grey 18%
- Object 10 x 10 cm

Product Life Status : Commercialised