

# Product data sheet

## Characteristics

# XU5M18MB230WK

photo-electric sensor - XU5 - diffuse - 90° - Sn  
0.4m - 24..240VAC/DC - 1/2"

Product availability : Non-Stock - Not normally stocked in distribution facility

Price\* : 149.00 USD



### Main

Range of product	OsiSense 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	90° lateral
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	2-wire
Discrete output function	1 NC
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
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
Voltage drop	6 V (closed state)

Delay first up	< 300 ms
Delay response	< 20 ms
Delay recovery	< 20 ms
Setting-up	Sensitivity adjustment
Diameter	0.71 in (18 mm)
Length	4.33 in (110 mm)
Product weight	0.17 lb(US) (0.075 kg)

## Environment

Product certifications	CE CSA 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, 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	IP67 conforming to IEC 60529

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389110896053
Nbr. of units in pkg.	1
Package weight(Lbs)	0.01
Returnability	N
Country of origin	FR

## Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

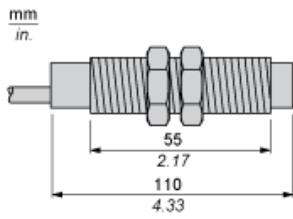
## Contractual warranty

Warranty period	18 months
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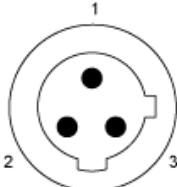
Dimensions

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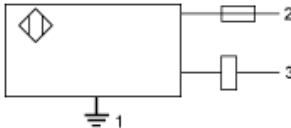
Wiring Schemes

Connector



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

2-wire AC or DC

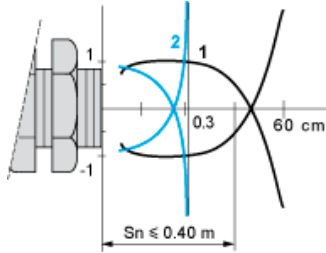


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Detection Curves

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Diffuse System



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