

# Product Datasheet

## Characteristic

# XU2M18MA230K

photo-electric sensor - XU2 - thru beam - Sn 15m - 24..240VAC/DC - 1/2"



## Main

range of product	OsiSense XU
series name	general purpose single mode
electronic sensor type	photo-electric sensor
sensor name	XU2
sensor design	cylindrical M18
detection system	thru beam
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 thru beam
[Sn] nominal sensing distance	49.21 ft (15 m) thru beam

## Complementary

enclosure material	nickel plated brass
lens material	PMMA
maximum sensing distance	65.62 ft (20 m)
output type	solid state
add on output	without
status LED	1 LED (yellow) output state 1 LED (red) instability
[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	3.74 in (95 mm)
product weight	0.34 lb(US) (0.155 kg)
kit composition	transmitter + receiver XU2M18MC230KT + XU2M18MA230KR

## 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0924 -
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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