

# XU2M18AP20D

photoelectric sensor - object - Sn 50 m - NO - M12 connector



## Main

Range of product	OsiSense XU
Series name	Application mechanical handling
Specific application of photoelectric detector	Object
Sensor name	XU2
Sensor design	M18
Material	Metal
Detection system	Thru beam (transmitter supplied)
Emission	Infrared
Line of sight type	Axial
[Sn] nominal sensing distance	50 m
Wiring technique	3 wires
Type of output signal	Analogue Discrete
Discrete output function	1 NO
Discrete output type	PNP
Analogue output range	4...20 mA
Add on output	With analogue output
Add on input	Breaking test (transmitter)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	≤ 100 mA overload and short-circuit protection
Diameter	18 mm

## Complementary

Electronic sensor type	Photo-electric sensor
Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	70 m
Output type	Solid state
Status LED	1 LED green supply on 1 LED yellow operation
Supply circuit type	DC
Supply voltage limits	10...30 V DC
Switching frequency	≤ 30 Hz
Voltage drop	≤ 1,5 V closed state
Current consumption	≤ 55 mA no-load
Delay first up	≤ 50 ms
Delay response	≤ 15 ms
Delay recovery	≤ 15 ms
Setting-up	Sensitivity adjustment
Product weight	0,155 kg

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## Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	25 gn +/- 2 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
IP degree of protection	IP67 IEC 60529
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant