

# XUB0BPSNM12

photo-electric sensor - XUB - multi - Sn 0..18m  
- 12..24VDC - M12



## Main

Range of product	OsiSense XU
Series name	Universal
Specific app photo-elec dtctr	Object
Sensor name	XUB
Sensor design	M18
Material	Metal
Detection system	Diffuse Diffuse with background suppression Polarised reflex Thru beam
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
Line of sight type	Axial
[Sn] nominal sensing distance	15 m thru beam 2 m polarised reflex 0.12 m diffuse with background suppression 0.3 m diffuse
Wiring techniques	3 wires
Type of output signal	Discrete
Output type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP
Add on output	Without
Electrical connection	1 male connector M12 4 pins
Supply circuit type	DC
Us rated supply voltage	12...24 V DC with 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	20 m thru beam 3 m polarised reflex 0.12 m diffuse with background suppression 0.4 m diffuse
Status LED	1 LED (green) for supply 1 LED (red) for instability 1 LED (yellow) for output state
Supply voltage limits	10 - 36 V DC
Switching frequency	<= 250 Hz
Voltage drop	1.5 V (closed state)
Current consumption	35 mA at no-load
Delay first up	< 200 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Self-teaching

Length	78 mm
CAD overall width	18 mm
CAD overall height	18 mm
CAD overall depth	78 mm
Product weight	0.055 kg

## Environment

Product certifications	CE CSA UL
Ambient air temp for op	-25...55 °C
Ambient air temp for storage	-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	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529