

# XUB0APSNM12

photo-electric sensor - XUB - multi - Sn 0..20m  
- 12..24VDC - M12



## Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Multimode
Material	Plastic
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse
[Sn] nominal sensing distance	20 m thru beam need a transmitter XUB0AKSNM12T 3 m polarised reflex need reflector XUZC50 0.3 m diffuse 0.12 m diffuse with background suppression

## Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	4.5 m polarised reflex 30 m thru beam 0.4 m diffuse 0.12 m diffuse with background suppression
Output type	Solid state
Add on output	Without
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	12..24 V DC with reverse polarity protection
Supply voltage limits	10...36 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Voltage drop	1.5 V (closed state)
Current consumption	35 mA (no-load)
Delay first up	< 200 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Self-teaching

Diameter	18 mm
Length	78 mm
Product weight	0.045 kg

## Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25...55 °C
Ambient air temperature 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	IP69K double insulation conforming to DIN 40050 IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0814 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>
Product end of life instructions	Available <a href="#">Download End Of Life Manual</a>