

# XU5M18AB20D

photo-electric sensor - XU5 - diffuse - analog -  
Sn 0.4m - 12..24VDCM12



## Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XU5
Sensor design	Cylindrical M18
Detection system	Diffuse
Material	Metal
Line of sight type	Axial
Type of output signal	Analogue
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Analogue output range	4...20 mA, drift < 10% for temperature between - 25 and + 55 °C, < 5% between 0 and + 40 °C
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.05...0.4 m diffuse

## Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	0.4 m
Add on output	With analogue output
Status LED	1 LED (green) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	4...20 mA
Switching frequency	<= 20 Hz
Current consumption	<= 30 mA (no-load)
Delay first up	<= 50 ms
Setting-up	Sensitivity adjustment with potentiometer
Diameter	18 mm
Length	95 mm
Product weight	0.075 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, amplitude = +/- 2 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 1402 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold