Product data sheet
Characteristics

XU5M18AB20D
photo-electric sensor - XU5 - diffuse - analog - Sn 0.4m - 12..24VDCM12

Green Premium™

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
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.16…1.31 ft (0.05…0.4 m) diffuse

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	1.31 ft (0.4 m)
Add on output	With analogue output
Status LED	1 LED green)output state
[Us] rated supply voltage	12...24 V DC 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
Maximum delay first up	50 ms
Setting-up	Sensitivity adjustment with potentiometer
Diameter	0.71 in (18 mm)
Length	3.74 in (95 mm)
Net weight	0.17 lb(US) (0.075 kg)

Environment

Product certifications	CE UL CSA
Ambient air temperature for operation	-13…131 °F (-25…55 °C)
Ambient air temperature for storage	-40…158 °F (-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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3.10 oz (88 g)
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	3.62 in (9.2 cm)
Package 1 Length	1.65 in (4.2 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months