Product datasheet
Characteristics

XUAH0203S

Main

Range of product	OsiSense XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUA
Sensor design	Cylindrical M8
Detection system	Thru beam
Material	Metal
Line of sight type	Axial
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	1 male connector M8, 3 pins
Emission	Infrared thru beam
[Sn] nominal sensing distance	6.56 ft (2 m) thru beam need a receiver

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Add on input	Test by emission breaking
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Current consumption	<= 15 mA
Delay first up	<= 20 ms
Setting-up	Without sensitivity adjustment
Diameter	0.31 in (8 mm)
Length	1.85 in (47 mm)
Product weight	0.03 lb(US) (0.015 kg)

Environment

product certifications	CE CULus
ambient air temperature for operation	-13...131 °F (-25...55 °C)
ambient air temperature for storage	-22...158 °F (-30...70 °C)
vibration resistance	7 gn, amplitude = +/- 1 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 conforming to IEC 60529

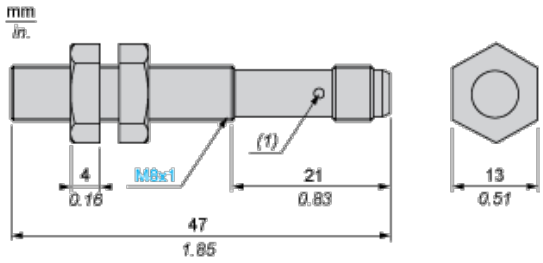
Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0732 - Schneider Electric declaration of conformity	Compliant - since 0732 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

Dimensions

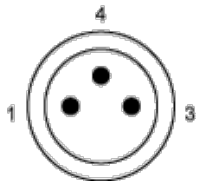


(1) LED, 4 viewing ports at 90°

Note : Fixing nut tightening torque : <2N.m

Wiring Schemes

M8 Connector

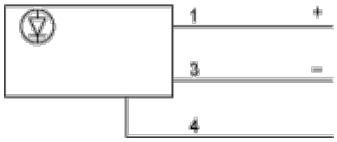


1 : (+)

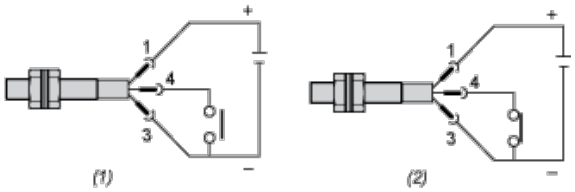
3 : (-)

4 : OUT or test

Transmitter



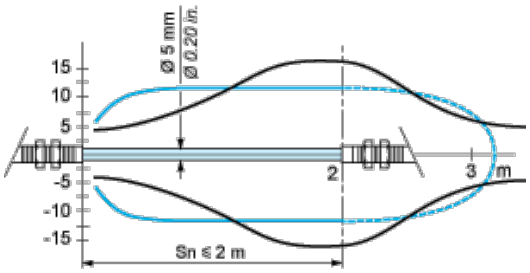
Beam Break Test



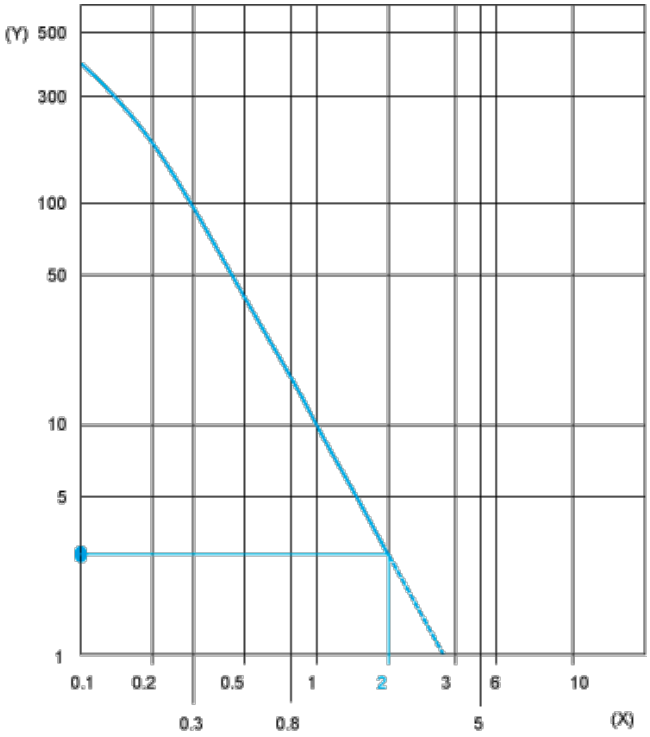
(1) Beam made LED on (steady light)

(2) Beam broken LED flashing

Detection Curves



Excess Gain Curves (Ambient temperature: ± 25 °C)



(Y) Gain

(X) Distance (m)